STATE OF CALIFORNIA

The Resources Agency

Department of Water Resources

BULLETIN No. 69-73

CALIFORNIA HIGH WATER

1972-1973

December 1974

NORMAN B. LIVERMORE, JR.
Secretary for Resources
The Resources Agency

RONALD REAGAN
Governor
State of California

JOHN R. TEERINK
Director
Department of Water Resources

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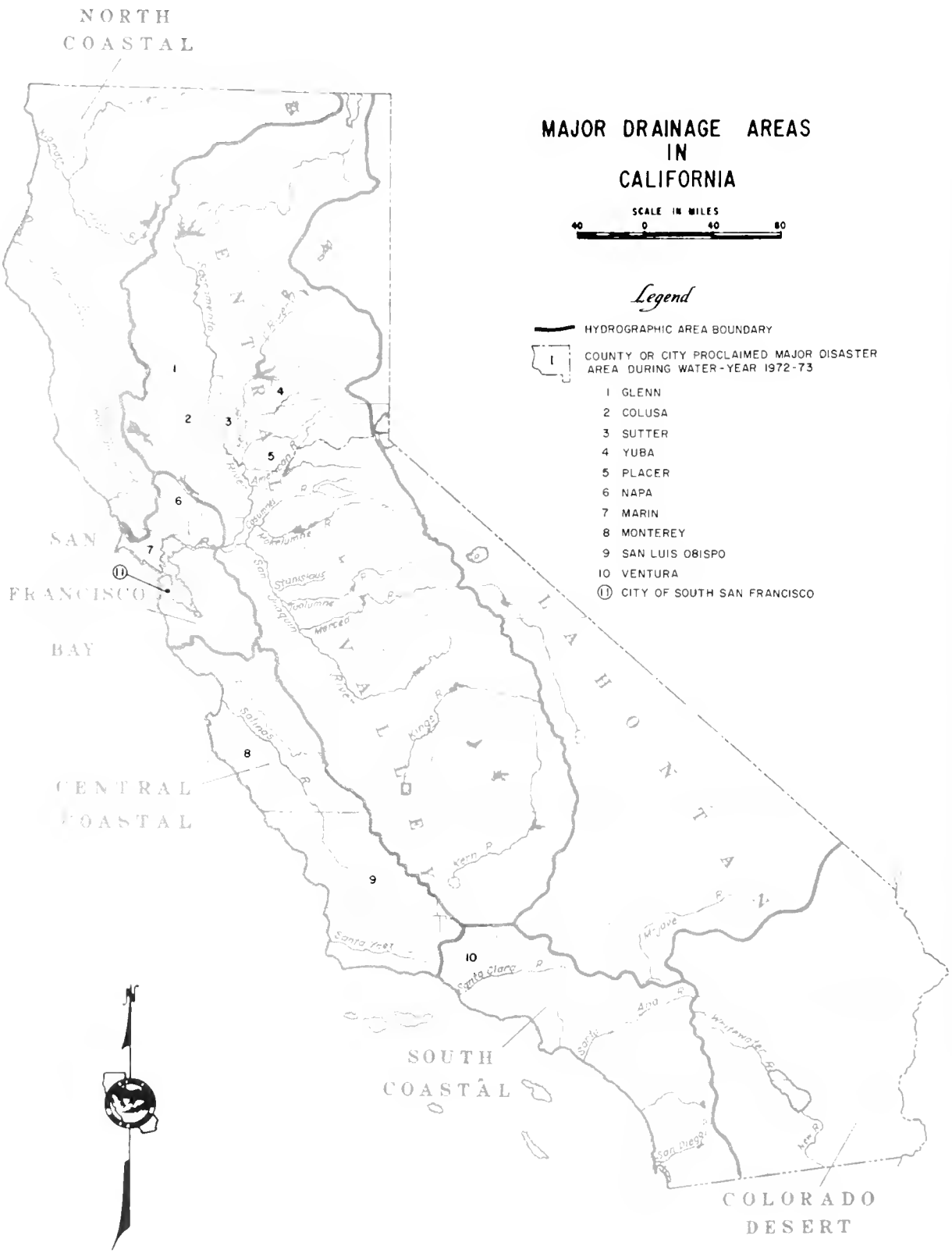
FIGURE 1


NORTH
COASTAL
MAJOR DRAINAGE AREAS
IN
CALIFORNIA
SCALE IN MILES
40 0 40 80
Legend
HYDROGRAPHIC AREA BOUNDARY
COUNTY OR CITY PROCLAIMED MAJOR DISASTER AREA DURING WATER-YEAR 1972-73
1 GLENN
2 COLUSA
3 SUTTER
4 YUBA
5 PLACER
6 NAPA
7 MARIN
8 MONTEREY
9 SAN LUIS OBISPO
10 VENTURA
11 CITY OF SOUTH SAN FRANCISCO
SAN
FRANCISCO
BAY
CENTRAL
COASTAL
SOUTH
COASTAL
COLORADO
DESERT
Sacramento R.
San Joaquin R.
Tulare Lake
Kern R.
Santa Ana R.
Mojave R.
Colorado R.

FOREWORD

The weather patterns of the 1972-73 flood season were characterized by a southerly displacement of the storm track which produced above-normal rainfall through the midcoastal and Central Valley areas of the State. This precipitation produced no significant flooding by any of the State's major streams; however, the combination of abundant and high-intensity rainfall caused local floods and mudslides so large and numerous that ten counties and one city were declared disaster areas during the season.

Bulletin No. 69-73, the 11th in an annual series, covers the period from October 1, 1972 through September 30, 1973. It describes precipitation, runoff, flooding and the general weather patterns that precede and coincide with storm periods. The bulletin also includes tabulations of precipitation comparisons and peak streamflows and stages, hydrographs of streamflow and reservoir operations, and weir overflow graphs.

Information for this bulletin was supplied by the Department of Water Resources, the National Weather Service, the U. S. Army Corps of Engineers, the U. S. Bureau of Reclamation, and many other agencies, both public and private. The assistance of the cooperating agencies is greatly appreciated.

John R. Teerink, Director
Department of Water Resources
The Resources Agency
State of California
November 22, 1974

STATE OF CALIFORNIA
Ronald Reagan, Governor

THE RESOURCES AGENCY
Norman B. Livermore, Jr.
Secretary for Resources

DEPARTMENT OF WATER RESOURCES
John R. Teerink, Director
Robert G. Eiland, Deputy Director

DIVISION OF RESOURCES DEVELOPMENT

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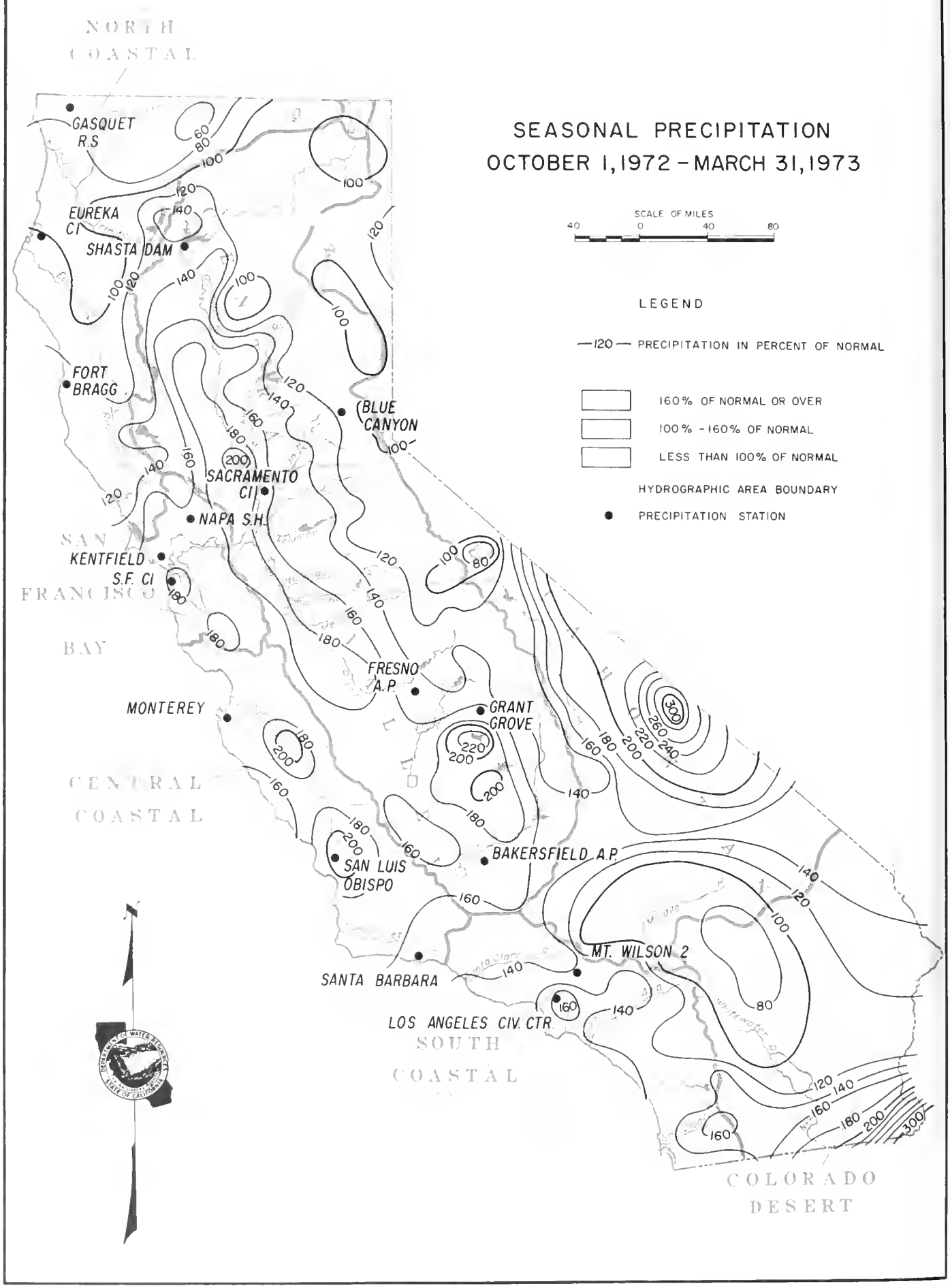
Liz Flaherty . . . . . Stenographer II

Overflow from a minor stream in the community of Vacaville in
in Solano County created scenes like this in January 1973.
(Photo by Vacaville Reporter)

CONTENTS

FIGURE 2


SEASONAL PRECIPITATION
OCTOBER 1, 1972 - MARCH 31, 1973
SCALE OF MILES
40 0 40 80
LEGEND
—120— PRECIPITATION IN PERCENT OF NORMAL
160% OF NORMAL OR OVER
100% - 160% OF NORMAL
LESS THAN 100% OF NORMAL
HYDROGRAPHIC AREA BOUNDARY
PRECIPITATION STATION
NORTH COASTAL
SAN FRANCISCO BAY
CENTRAL COASTAL
SOUTH COASTAL
COLORADO DESERT
GASQUET R.S
EUREKA CI
SHASTA DAM
FORT BRAGG
BLUE CANYON
SACRAMENTO CI
NAPA S.H.
KENTFIELD
S.F. CI
FRESNO A.P.
MONTEREY
GRANT GROVE
SAN LUIS OBISPO
BAKERSFIELD A.P.
MT. WILSON 2
SANTA BARBARA
LOS ANGELES CIV. CTR.

STORMS OF THE 1972-73 SEASON

The winter of 1972-73 was characterized by a west-to-east storm track that was displaced farther south than usual, and that produced seemingly incessant rain, mud slides, and much local flooding from overtaxed storm drains and minor streams. Damages from local flooding, mud slides, and high tides were sufficiently large to cause declarations of disaster areas in ten counties and one city (Figure 1).

With the exception of December, each month of the normally wet period (October through March) produced above-normal rainfall throughout most of the State. In the midsection of the State, it was common for stations to report monthly catchments of from 200 to 400 percent of normal. Although many of the storms produced intense rainfall, the durations were relatively short, allowing the major streams to conduct the runoff without serious flooding.

Because of the more southern track of the storms, the 1972-73 winter was the first season of record in which all of the five major north coastal streams - the Smith, Klamath, Trinity, Eel, and Van Duzen Rivers - failed to reach flood stage. These, usually the first in the State to exceed flood stage, were unusually quiet this season. Only the Russian River, of all the major streams in the State, produced significant flood stages--but no major damage was reported.

TABLE 1: PRECIPITATION AMOUNTS AT SELECTED STATIONS DURING 1972-73 SEASON

Station	Elevation in Feet	Total Precipitation-Selected Periods (In Inches)					Maximum One-Day Amounts	
		October	November	January	February	Oct. 1-Mar. 30	Amount	Day
North Coastal Area								
Gasquet RS	384	2.74	8.51	14.62	missing	--	--	--
Eureka CI	43	1.97	5.41	6.47	3.85	30.42	1.61	12/03/72
Fort Bragg	80	3.18	8.02	10.80	7.87	43.25	1.99	11/07/72
Sacramento Valley Area								
Shasta Dam	1076	4.52	13.36	18.96	13.88	65.71	7.74	1/16/73
Blue Canyon	5280	4.74	11.68	19.37	12.03	64.70	3.71	1/11/73
Sacramento CI	19	1.70	5.08	7.29	6.47	25.68	2.11	2/27/73
San Joaquin Valley Area								
Grant Grove	6600	1.55	8.09	13.37	11.85	49.66	4.38	1/17/73
Fresno AP	328	0.22	3.50	1.91	3.69	13.56	1.11	2/11/73
Bakersfield AP	475	0.54	1.55	2.07	0.49	7.80	0.87	3/20/73
San Francisco Bay Area								
Napa State Hospital	60	3.34	6.95	11.37	5.61	33.76	1.80	1/16/73
Kentfield	128	8.54	12.41	19.60	12.19	65.95	3.30	1/11/73
San Francisco CI	52	5.41	6.40	9.38	6.32	33.67	2.14	11/13/72
Central Coastal Area								
Monterey	345	2.46	5.95	6.05	5.88	26.94	1.19	2/11/73
San Luis Obispo	315	2.72	6.79	13.83	9.67	39.95	4.35	1/19/73
Santa Barbara	9	0.49	6.35	6.15	8.28	24.28	2.75	1/18/73
South Coastal Area								
Mt. Wilson 2	5709	0.59	5.47	5.99	22.63	47.64	9.79	2/11/73
Los Angeles Civ. Cent.	270	0.29	3.26	4.39	7.89	20.89	2.74	1/16/73

Debris- and rock-laden mud flows through Big Sur claimed the village garage in November 1972. (Photo by the Monterey Peninsula Herald)

On February 11, 1973, a massive mudslide at Haffler Canyon near Big Sur severed State Highway 1, caused the death of a highway equipment operator, and severely damaged a two-story commercial structure. (Photo by the Monterey Peninsula Herald)

October 1972: The pattern of local flooding began in October when an upper level low-pressure center having cold temperatures at its center (a "cold low") formed off the central California coast and persisted for nine days, October 8-17. This stationary low brought a series of storms that passed across most of the State but centered chiefly in the San Francisco Bay and Central Coastal Hydrographic areas. Rainfall totals from the Bay area storms ranged from nearly 3 inches near San Jose to more than 8 inches at Kentfield in Marin County. Half Moon Bay received over 6.5 inches, and San Francisco received 5.4 inches, which was six times greater than the normal amount for the entire month.

In the urban areas of California's mid-section, from the coast to the Central Valley, these storms produced extensive local flooding from swollen streams and overtaxed drains. Street flooding from direct runoff reached such proportions that water surging down a San Francisco street swept a man from a curb to his death.

The major damage areas from these October storms were in South San Francisco and in the Big Sur area in Monterey County. In South San Francisco, Colma Creek went over its banks and flooded much of the low-lying residential, commercial, and industrial sections of the city. In the Big Sur area, these October storms produced the first of a series of damaging mud flows from once-wooded slopes whose vegetative cover had been burned in August. On the basis of this damage, the Governor declared Monterey County a disaster area.

Later in October, Southern California received heavy thunderstorms which produced some flooding in San Bernardino, Riverside, and Los Angeles Counties.

November 1972: The concentration of rainfall through the central part of the State continued in November as the belt of strongest westerlies (jet stream) was displaced south of their usual path. A series of at least nine fronts was carried eastward in the zonal flow over California, bringing heavy amounts of rainfall across the State. Totals for the month ranged from 200 to 400 percent of normal over most of the State, but diminished to slightly less than normal in the extreme northern portions: San Francisco and Sacramento each received over 5 inches of rain (330% normal), San Luis Obispo received 6.8 inches (400% normal), and Big Sur State Park was drenched with 11 inches in three days.

Colma Creek in South San Francisco again overtopped its banks; while mud-laden runoff in the Big Sur area extended the damage begun in October. Mudslides, fallen trees, and flooded homes and roads occurred in many other locations in Northern California; damage was especially heavy in the urban coastal hills. Runoff to the Sacramento River system was sufficient to cause the first overflow of the season to the Sutter Bypass at Tisdale Weir.

December 1972: The southerly storm pattern established in October and continued in November was broken in December when a very deep trough formed over the western states, with a ridge upstream of this trough extending into Alaska. The resulting flow around the Alaskan ridge into the trough brought a strong meridional flow of frigid arctic air masses into the western United States, including California. The State experienced record low temperatures from December 5 through December 16, resulting in heavy agricultural losses throughout California. Cold, fierce storms left snow at such unlikely low elevations as Sacramento, Modesto, and the San Francisco Bay area.

"Popped" manhole in the town of Mill Valley in Marin County on January 18, 1973. (Photo by the San Rafael Independent Journal)

Three to four feet of water on Francisco Boulevard in San Rafael, Marin County, on January 18, 1973. (Photo by the San Rafael Independent Journal)

Total precipitation for the month was generally below normal and no significant flood or slide damage was reported.

January 1973: Weather patterns over the eastern Pacific in January again returned to the prevailing zonal flow of October and November, with the jet stream displaced south of its normal track. During the 14-day period, January 8-21, this flow pattern carried a series of five weather fronts over California. As in October and November, the heaviest precipitation again occurred in the central portion of the State. A strong cold front moved into and through the southern part from January 16-19.

This series of central California storms produced precipitation totals of over 20 inches at some stations in the Russian, Napa, and American River Basins. Cazadero in the Russian River drainage basin reported 22.9 inches of rainfall during the month, with 5.6 inches in 24 hours, and 10.1 inches in 48 hours; Skaggs Springs in the Napa River drainage basin reported 25.4 inches during the month, with 5.5 inches in 24 hours, and a 4-day total of 12 inches; Strawberry in the American River drainage basin reported 27.2 inches during the month, with 5.8 inches in 24 hours and a three-day total of 10.8 inches. Other stations across the center of the State received comparable or slightly lesser amounts of rainfall averaging over 200 percent of normal for the month.

Within a period of eight days (January 11-18), the Russian River exceeded flood stage twice. Each one required evacuation and rescue of residents along the low-lying resort areas in the vicinity of Guerneville. Approximately 70 homes were flooded to some degree and resort shops and businesses suffered losses, but no major damage was reported.

The heavy January rains also produced a multitude of local flooding from overtaxed storm drains and from countless swollen small streams in the Central Valley from Tulare County in the south to Colusa County in the north and along the coast from San Luis Obispo County in the south to Sonoma and Mendocino Counties in the north. Major damage occurred in Marin and San Luis Obispo Counties, and reoccurred in South San Francisco and Big Sur.

In Marin County extensive damage to public and private property was caused by rock and mud slides which destroyed or severely damaged homes, autos, and streets. Flooding from runoff was further aggravated by a series of high tides which coincided with the heavy rains from January 12-17. Damage was estimated at $2 million, and the county was declared a disaster area by the Governor.

In San Luis Obispo County, the cold storm of January 16-19 produced 10 inches of rainfall, with a maximum intensity of 4.5 inches within 1½ hours. San Luis Obispo Creek and Laguna Lake flooded 70 homes in the City of San Luis Obispo, and reportedly swept nearly 100 automobiles down flooded streets. High tides and winds caused damage along the coast; while washed-out roads and swollen streams stranded families and communities inland. Damage was estimated at $7.1 million, and the county was declared a disaster area by the Governor.

In South San Francisco, Colma Creek once again flooded extensive portions of the adjacent residential, commercial, and industrial sections of the City. The combined damages of October, November, and January resulted in its designation by the Governor as a disaster area. Official estimates of flood damage were set at $2.2 million, but claims reached $5.5 million.

Other results of the January storms and high tides included flooding of Edgerly Island in the Napa River delta,

Flood fight operations during flooding of Edgerly Island in the Napa River delta on January 17, 1973. (Photo by the Napa Register)

Van Sickle Island in the Suisun Marsh, and Liberty Island near the downstream end of the Yolo Bypass. When gale winds, high tides, and high river stages combined to threaten protective levees in the Sacramento-San Joaquin Delta, strenuous flood-fighting efforts saved several islands from being inundated.

February 1973: The season's wet regime continued in February. Blocking highs in the Alaska-Siberia sector again held the storm track at a southerly latitude. The major rain-producing storms occurred on February 4-7, 10-14, and 24-28. One-day totals of 2 to 3 inches were common in much of the center of the State and along the south coastal area. The highest intensities occurred in the San Gabriel Mountains north of Los Angeles where stations at Big Tujunga Dam, Mt. Wilson, and Camp Hi-Hill reported 24-hour totals of 7.91, 9.79, and 12.84 inches, respectively, during the storm of February 10-11. For the month of February, these stations reported rainfall totals of 16.38, 22.63, and 25.83 inches, respectively.

Runoff from these storms--on the heels of a very wet January--again produced extensive damage: communities and agricultural areas were flooded from direct runoff and swollen minor streams; roads, bridges, minor levees, and channels sustained severe erosion damage. Although no major river was reported to have caused serious damage, "local" flooding, slides, and erosion was so extensive that, combined with the January damage, seven counties were declared disaster areas. These were Colusa, Glenn, Placer, Sutter and Yuba Counties in the Sacramento Valley, Napa County in the San Francisco Bay Hydrographic Area, and Ventura County in the South Coastal Hydrographic Area. Three counties and a city had previously been declared disaster areas (Monterey County in October 1972, Marin and San Luis Obispo Counties in January 1973, and the City of South San Francisco in January 1973), bringing the total count of disaster areas for the season to eleven--all this without a major flood by a major stream in the State.

But even this impressive number of declared disaster areas does not fully tell the story of local flooding that occurred during February. As examples: 15 San Joaquin Valley families were driven from their homes by flooded Lewis Creek near Porterville in Tulare County; Sacramento Valley communities in Yolo and Solano Counties, which were fields of snow in December 1972, became seas of flood water in February 1973; the storm of February 28 dumped over one-half inch of rain in 10 minutes on the City of Sacramento and flooded streets and underpasses during the evening rush hour; and public and private property in Alameda, San Mateo, and southern Sonoma Counties sustained extensive flood and slide damage.

March - September 1973: The cool, wet weather regime over the State extended through most of March. Eleven weather fronts brought significant precipitation during three periods: March 1-12, 17-22, and 30-31. Although the precipitation was generally above normal throughout the State, the storms were less intense than those of January and February, and no serious flooding was reported. Although the remainder of the season (April - September) produced less than normal rainfall, by the end of March the Central Valley and most of the coastal areas of the State had received over 150 percent of normal annual rainfall and nearly double the amount normal for that portion of the season (October 1 - March 30), despite a relatively cold, dry December.

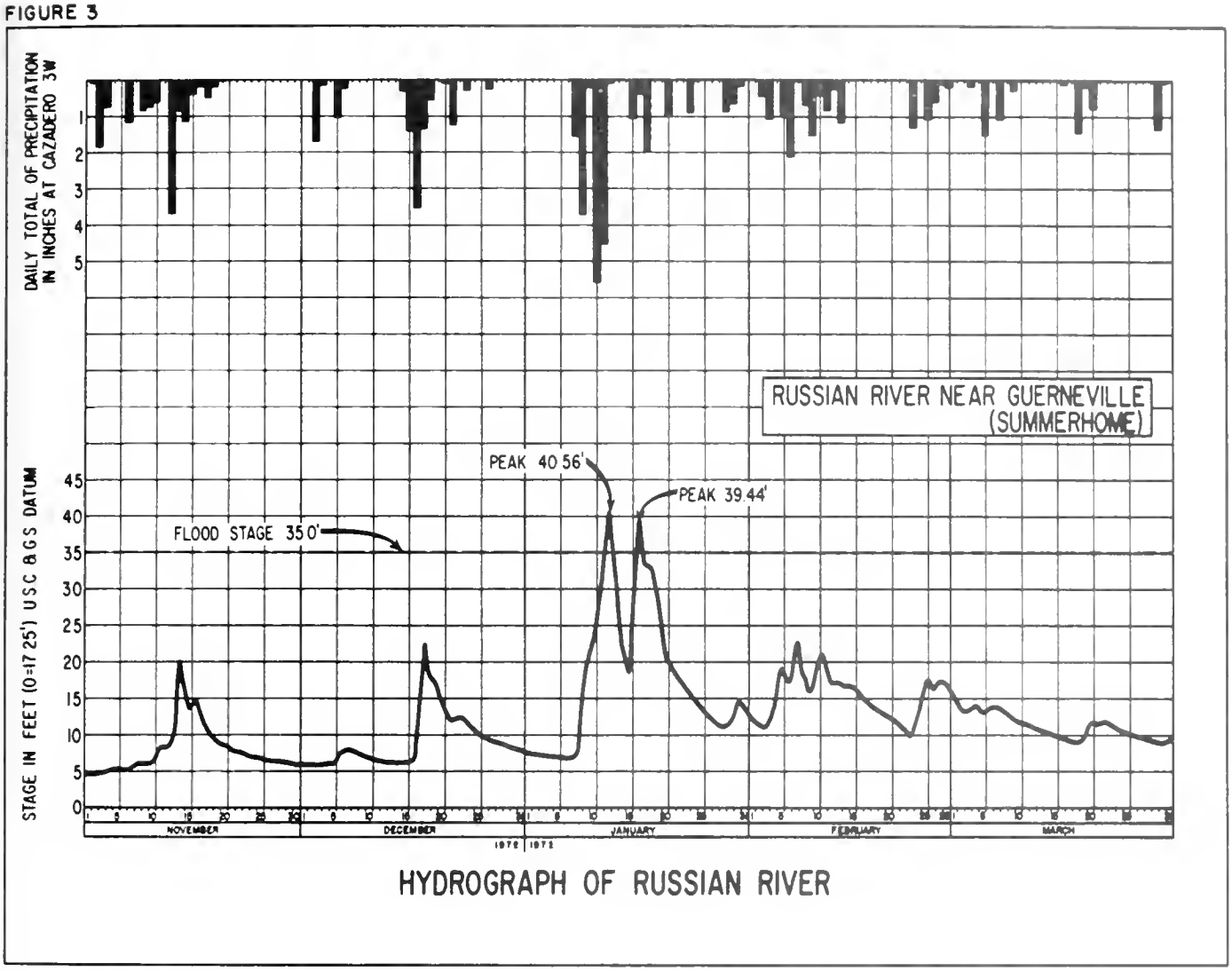
The Sacramento River was at high stage almost constantly from mid-November 1972 through mid-March 1973. Flood stage was reached at Vina-Woodson Bridge on January 16, 1973, but no damage was reported; the first overflow to the bypass system occurred November 14, and the last overflow of the season did not end until March 15.

Above, Devil's Gate Reservoir filled and sent water over the spillway of the dam to Arroyo Seco. On February 11, 1973, the rushing water reclaimed the natural channel that had been occupied by the Foothill Freeway bridge falsework. (Photo by the Montrose Ledger)

Left, flooded freeway underpass in Sacramento on February 28, 1973. (Photo by the Sacramento Union)

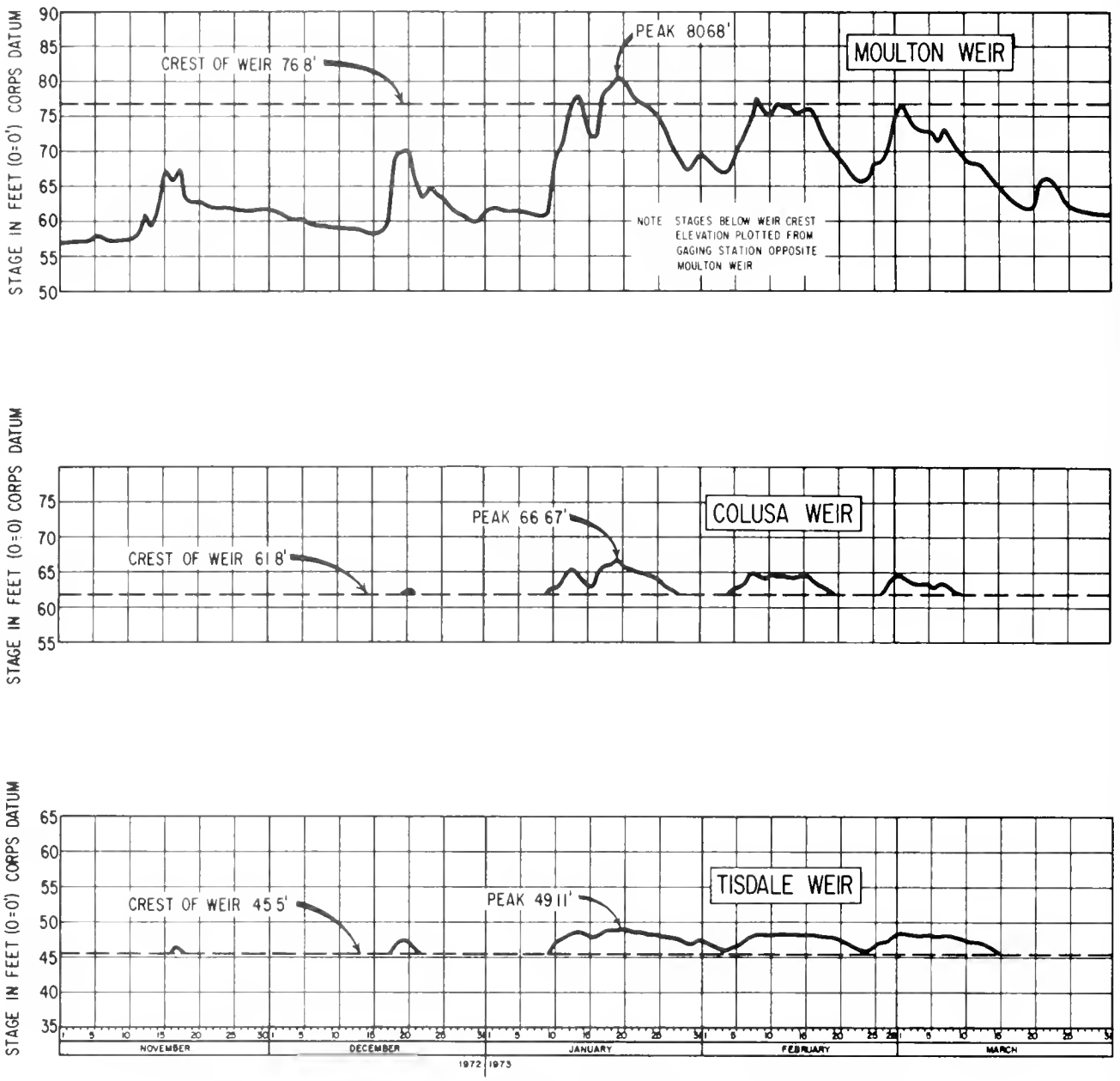
Some significant erosion occurred along the Sacramento River: two areas required emergency repair by the U. S. Army Corps of Engineers; and some riverbank homes near Hamilton City were threatened but no major damage was reported. With the aid of the major flood control reservoirs, the large streams of the State conducted the runoff from this wet season without major flooding.

FIGURE 3



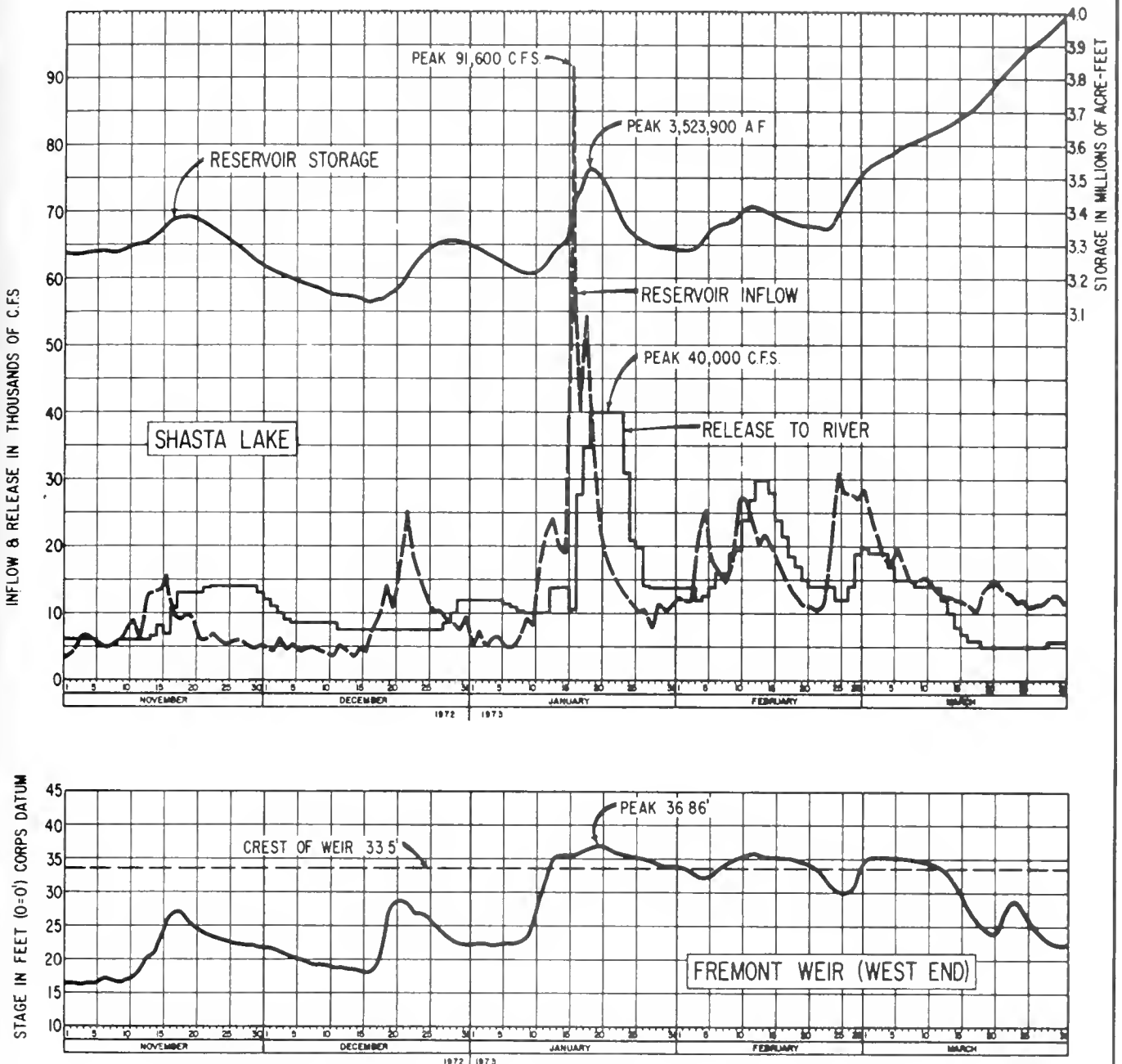
HYDROGRAPH OF RUSSIAN RIVER

FIGURE 4



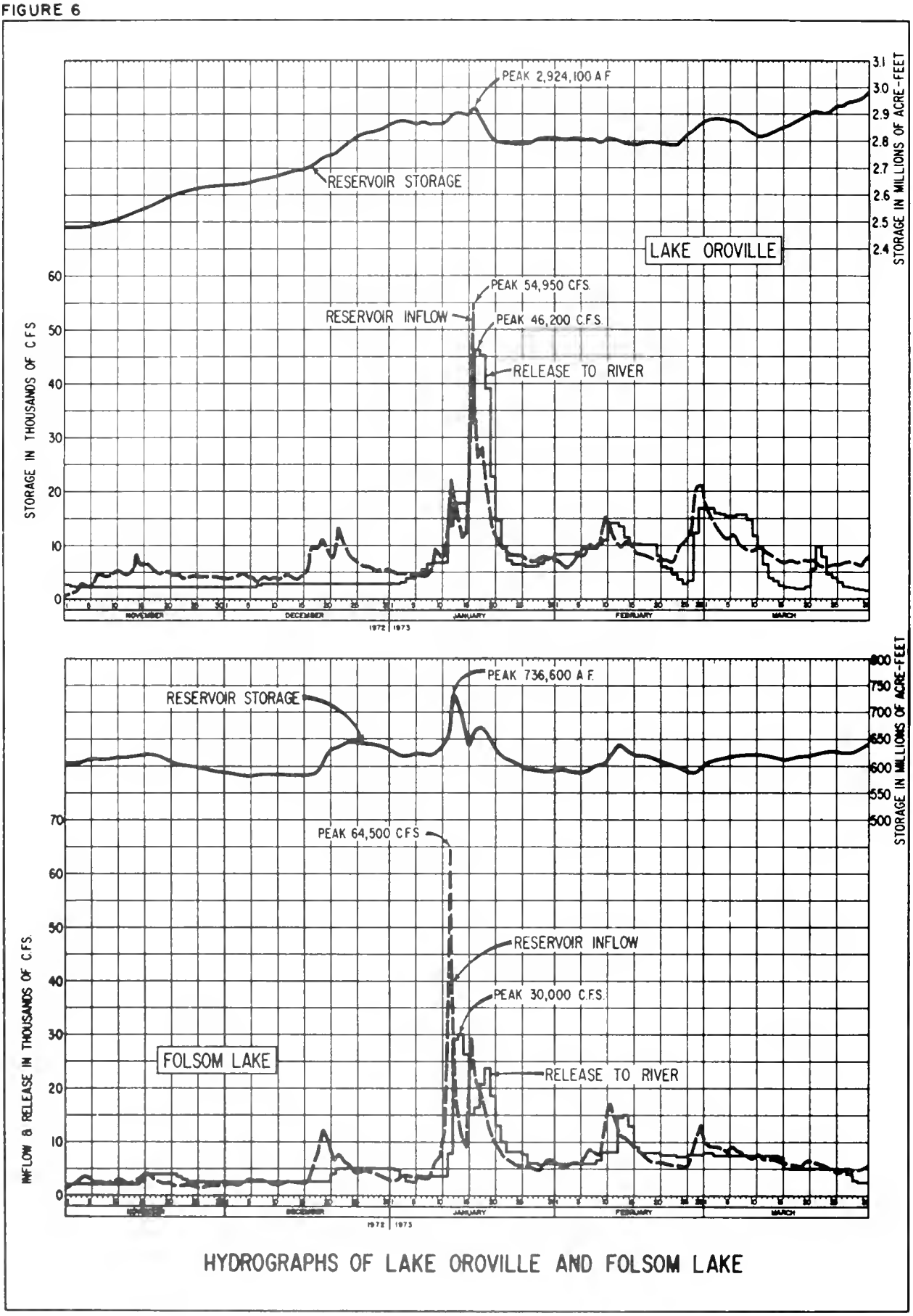
OVERFLOW TO BUTTE BASIN AND SUTTER BYPASS

FIGURE 5



HYDROGRAPHS OF SHASTA LAKE AND SACRAMENTO RIVER

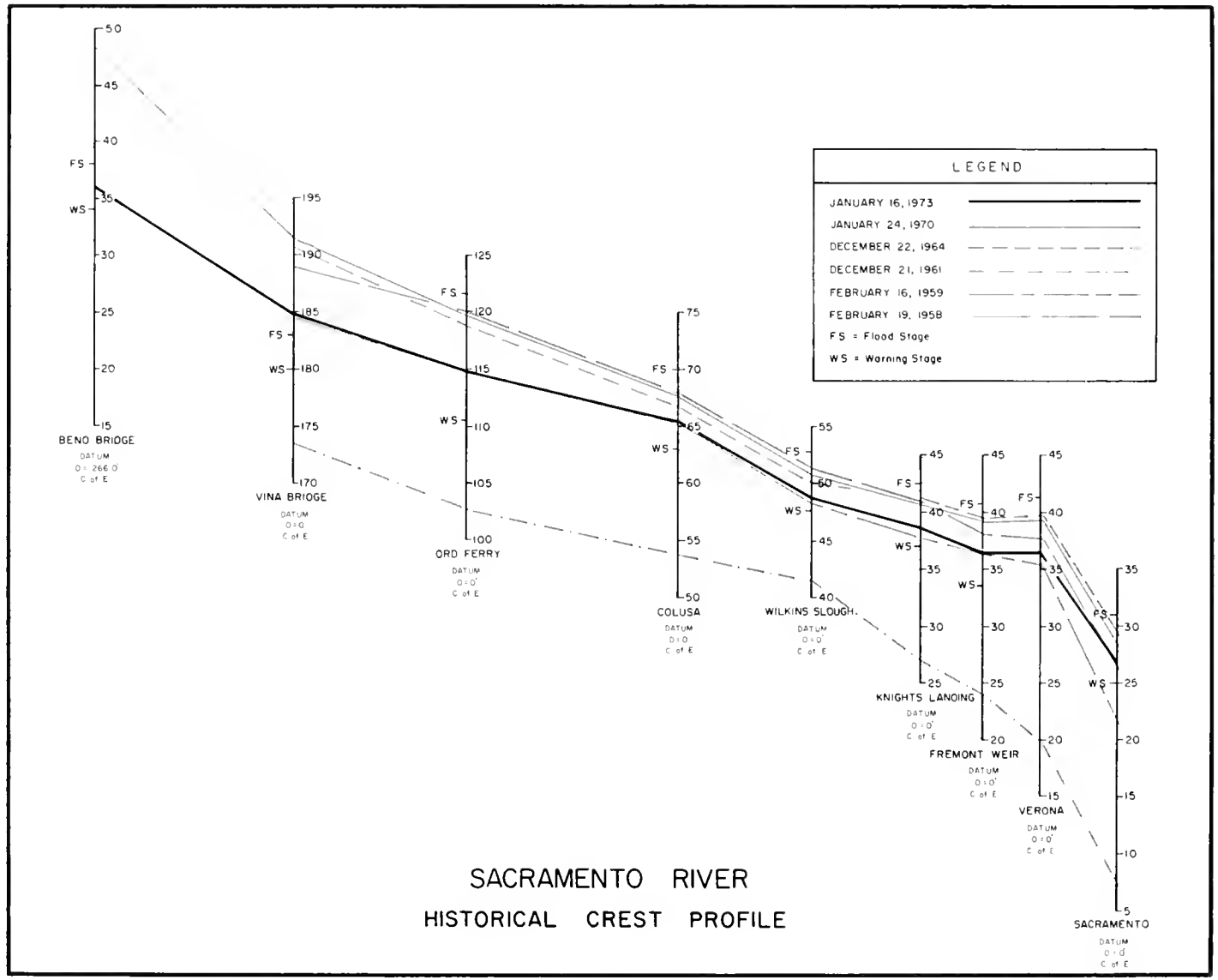
FIGURE 6



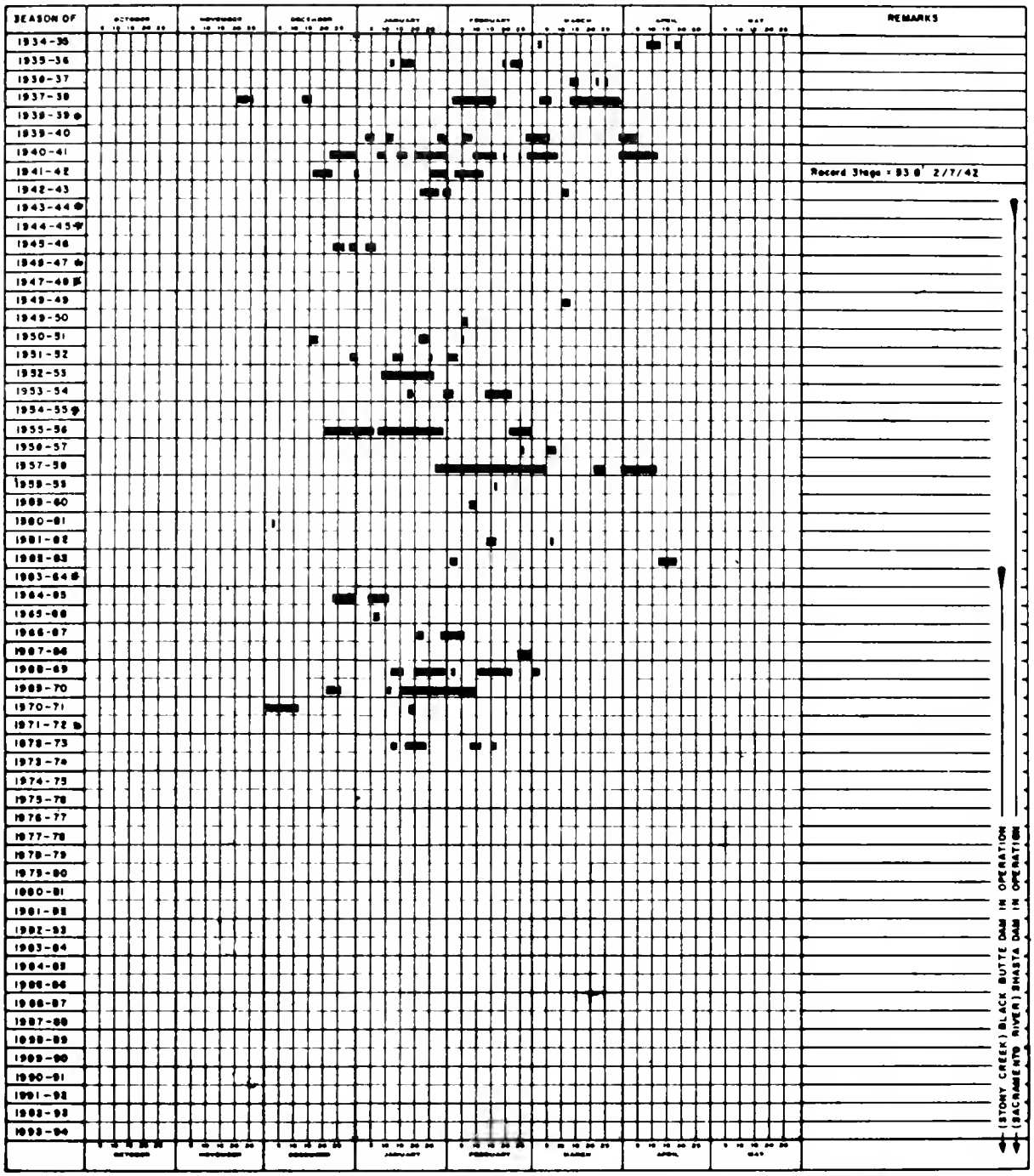
HYDROGRAPHS OF LAKE OROVILLE AND FOLSOM LAKE

APPENDIX A

Sacramento River Crest
and
Weir Overflow Records


LEGEND
JANUARY 16, 1973
JANUARY 24, 1970
DECEMBER 22, 1964
DECEMBER 21, 1961
FEBRUARY 16, 1959
FEBRUARY 19, 1958
FS = Flood Stage
WS = Warning Stage
BENO BRIDGE
VINA BRIDGE
ORD FERRY
COLUSA
WILKINS SLOUGH
KNIGHTS LANDING
FREMONT WEIR
VERONA
SACRAMENTO
SACRAMENTO RIVER
HISTORICAL CREST PROFILE

PERIOD OF RECORD OF OVERFLOW OF THE MOULTON WEIR



NOTE:

Data compiled from records of U.S.G.S. stream gaging station "Sacramento River at Moulton Weir"

Datum: 0 of U.S.C.&G.S.

Period of record: 1888 to present

Crest elevation = 78.78 feet

LEGEND

Designates periods of flow over weir

Designates season of no flow

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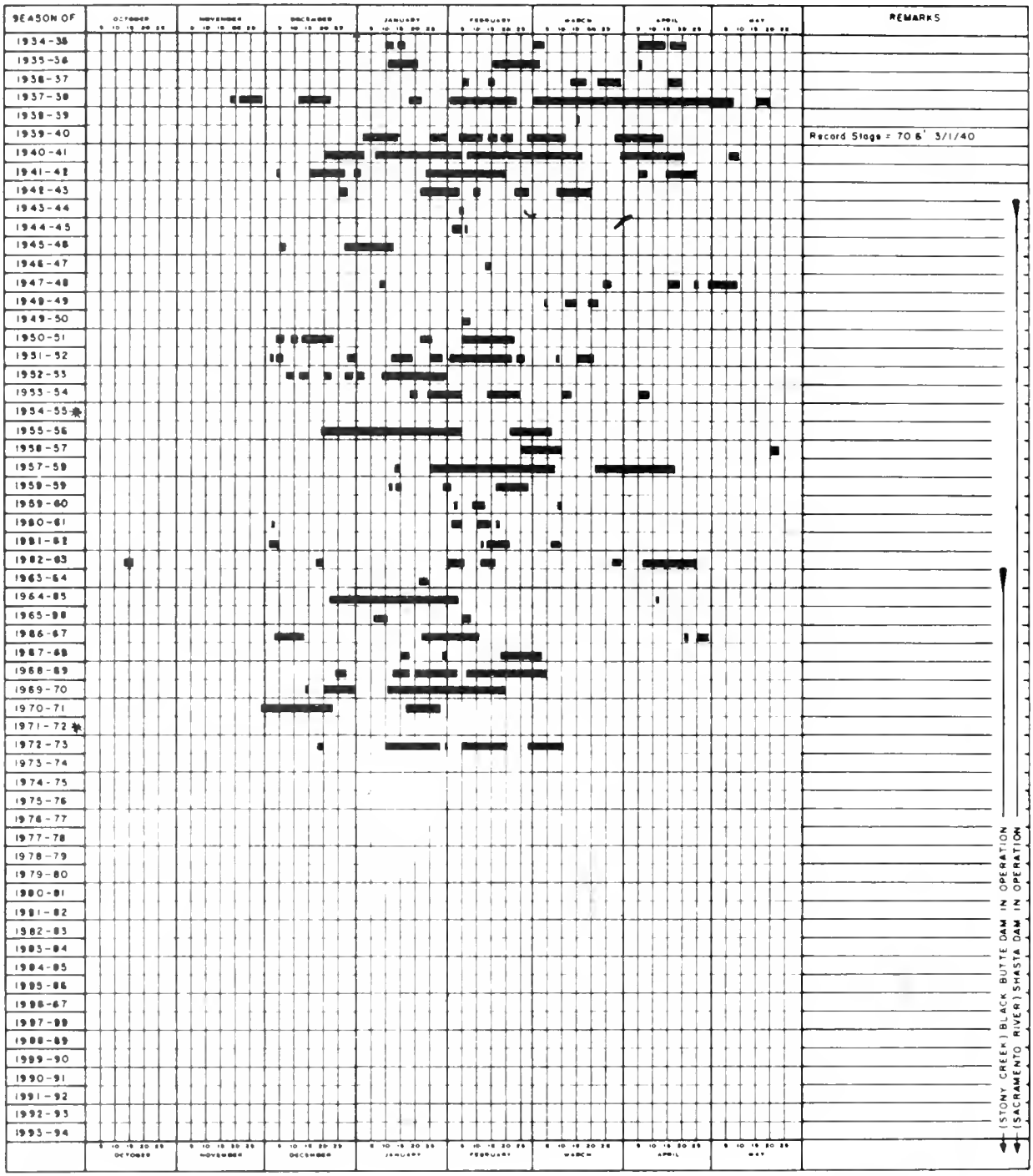
PERIOD OF RECORD OF OVERFLOW OF THE COLUSA WEIR



NOTE

Data compiled from records of D.W.R. stream gaging station "Sacramento River at Colusa Weir"

Datum: O=0' U.S.E.D

Period of record 1935 to present

Crest elevation = 61.80 feet

LEGEND

Designates periods of flow over weir

* Designates season of no flow

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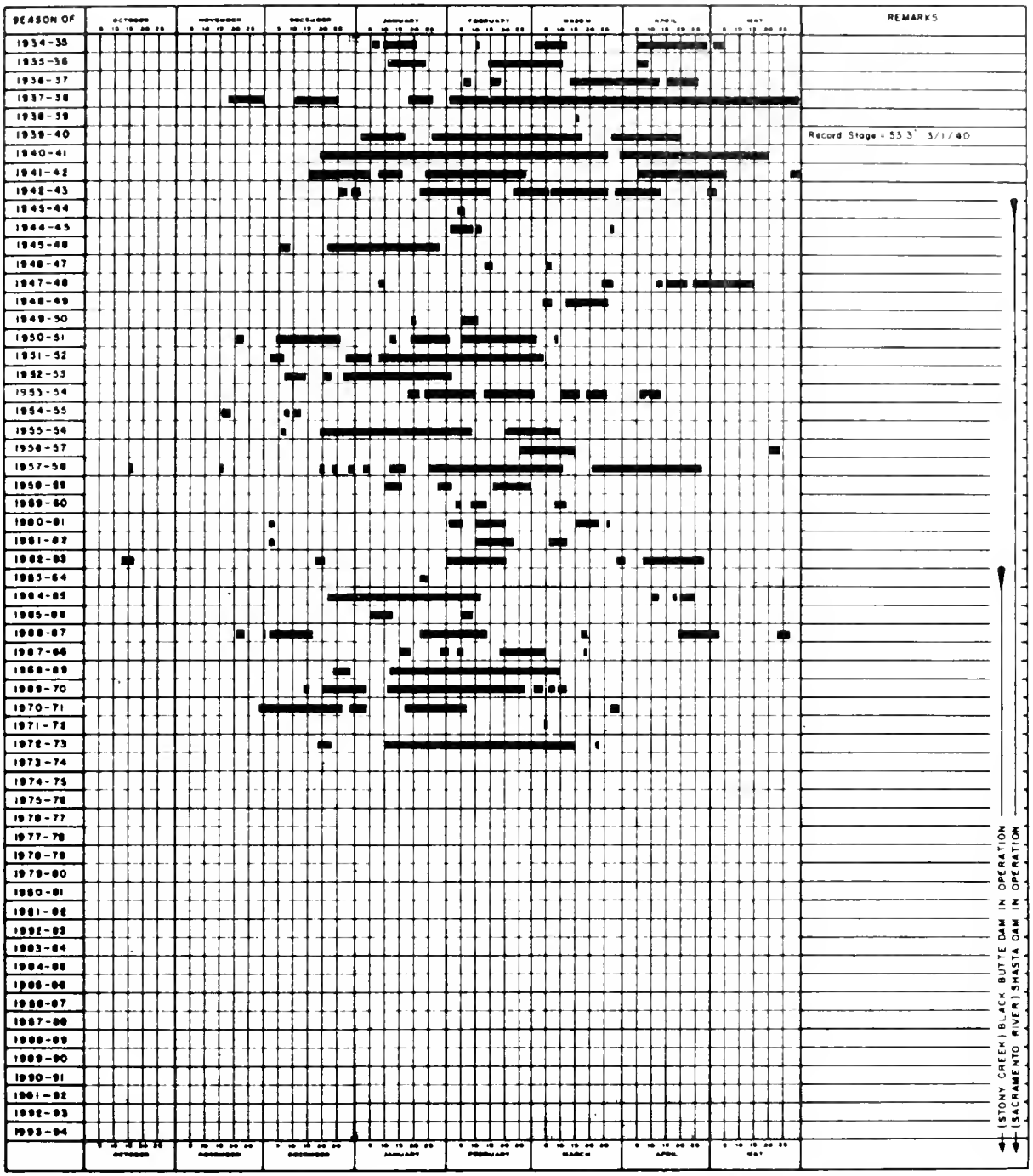
PERIOD OF RECORD OF OVERFLOW OF THE TISDALE WEIR



NOTE:

Data compiled from records of U.S.G.S. stream gaging station "Sacramento River at Tisdale Weir"

Datum: 0 of U.S.E.S.

Period of record: 1935 to present

Crest elevation = 48.48 feet

LEGEND

Designates periods of flow over weir

Designates season of no flow

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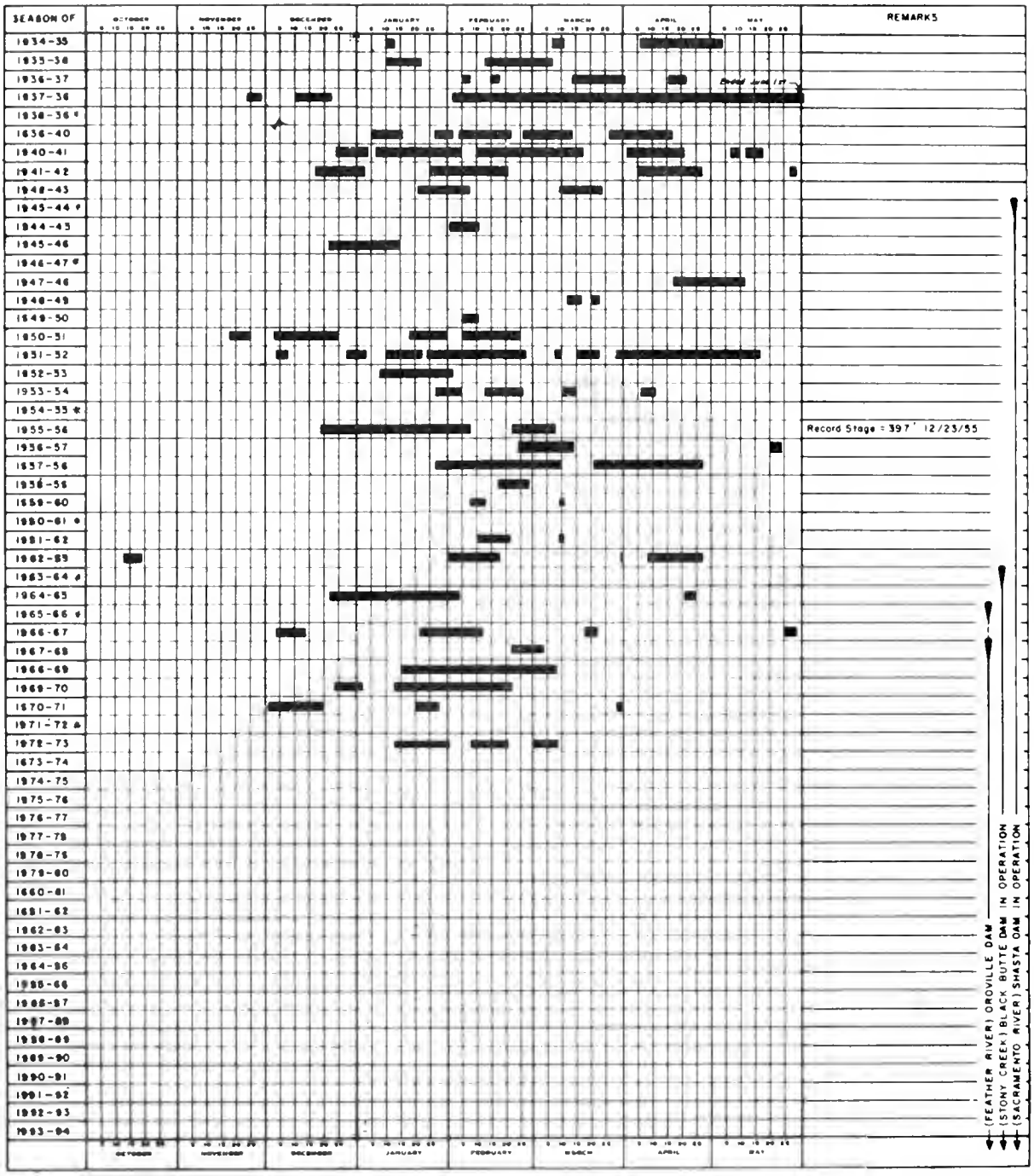
PERIOD OF RECORD OF OVERFLOW OF THE FREMONT WEIR



NOTE:

Data compiled from records of U.S.G.S. stream gaging station "Sacramento River at Fremont Weir, West End"

Datum: 0=0' U.S.E.S.

Period of record: 1934 to present

Crest elevation = 33.50 feet

LEGEND

Designates periods of flow over weir

Designates season of no flow

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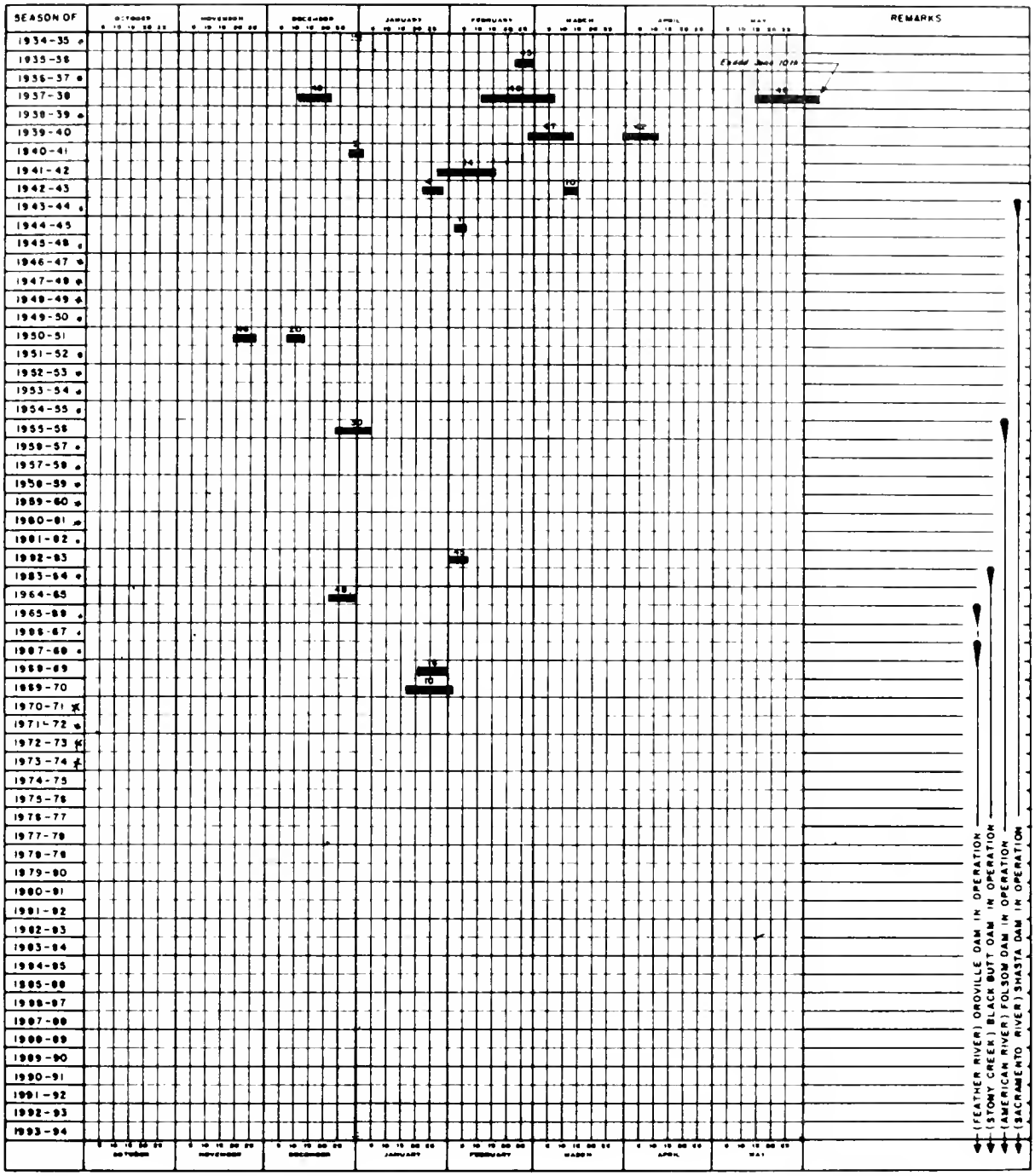
PERIOD OF RECORD OF OVERFLOW OF THE SACRAMENTO WEIR



NOTE:

Data compiled from records of D.W.R. stream gaging station "Sacramento Weir Spill to Yolo Bypass, near Sacramento

Datum: 0.0 U.S.E.S.

Period of record: 1926 to present

Crest elevation = 24.75 feet

Elevation of top of gates = 34.0 feet

LEGEND

5 — Designates periods of flow over weir and total number of gates opened

Designates season of no flow

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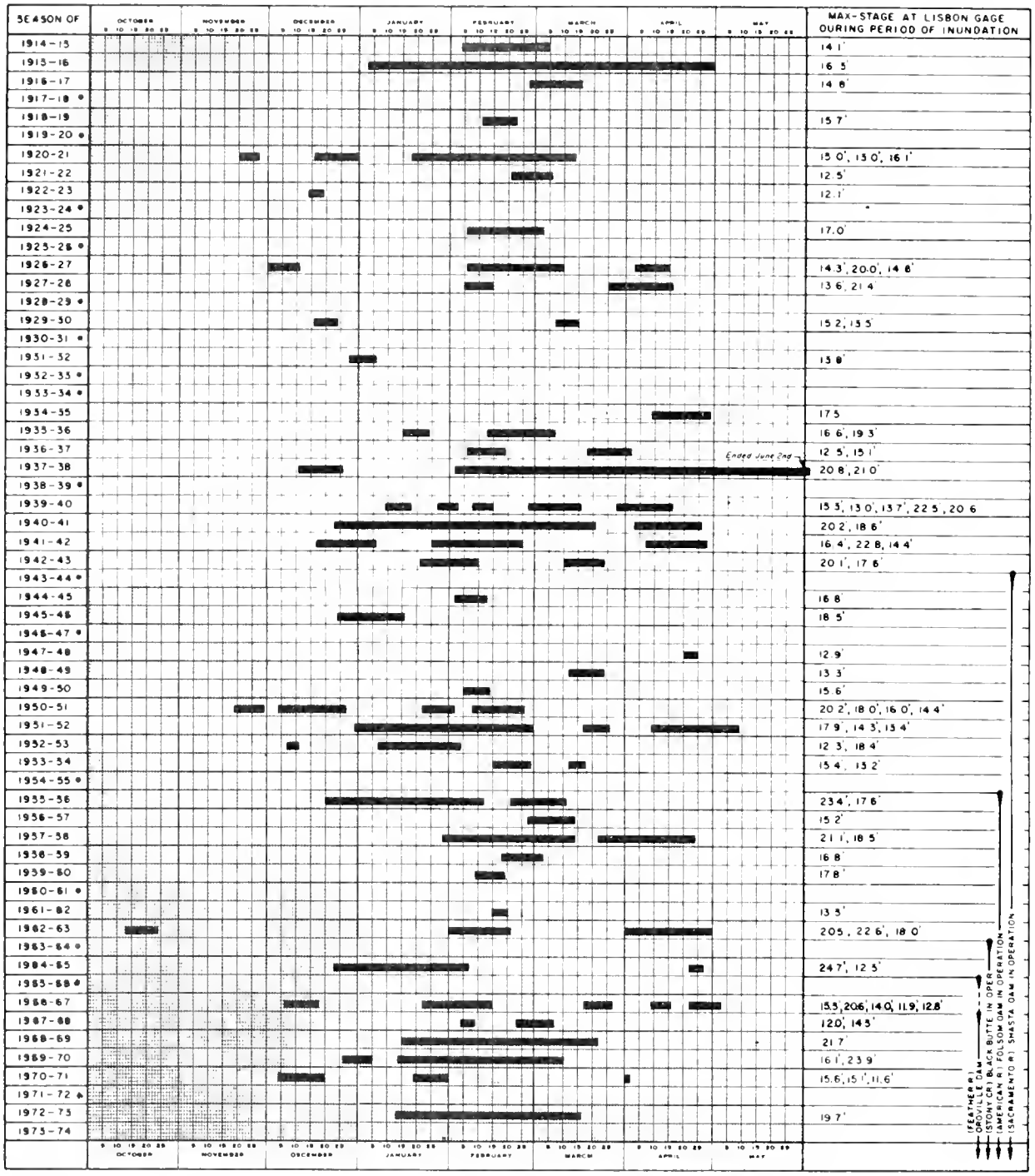
PERIOD OF RECORD OF INUNDATION OF THE YOLO BYPASS



NOTE

Data compiled from records of D.W.R. stream gaging station "Yolo Bypass near Lisbon."

Datum: O=U.S.E.D. Datum

Period of Record: 1914 to Present

Assumed overflow of Bypass at stage above 11.5' on the Lisbon gage

LEGEND

Designates period of inundation of Bypass

Designates season Bypass not inundated

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THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

REV. 9/71

APPENDIX B

Peak Flows and Stages
at
Selected Streams and Stations in California

INTRODUCTION

Appendix B presents data for selected stations on representative streams of the major hydrographic areas of California (Figure 1). The data are obtained from USGS Surface Water Records, Department of Water Resources Bulletin No. 130, and U. S. Department of Commerce, NOAA, National Weather Service, Daily River Stage publications. Current water year data are preliminary and are subject to revision.

Stations are listed in a downstream direction along the main stream and tributaries. Stations on tributaries are listed between main stream stations in the order in which the tributaries enter the main stream.

LEGEND

USGS	United States Geological Survey
USBR	United States Bureau of Reclamation
NOAA	National Weather Service (National Oceanic and Atmospheric Admin.)
USCE	United States Corps of Engineers
DWR	Department of Water Resources
PG&E	Pacific Gas and Electric Company
A	From flood marks
B	Discharge over weir or spillway
C	Site or datum then in use
D	Discharge not determined, affected by backwater or tide
E	Estimated
F	From DWR telemetering log
G	Preliminary
H	Includes flow through power plant
I	Due to failure of partially completed dam
J	Gage height revised
K	Flow through power plant not included
L	Discharge at latitude of gaging station site
M	Prior to construction of upstream dam
N	Includes flow through fish hatchery but not upstream diversion to Thermalito Afterbay
P	Observed
Q	Estimated peak inflow to partially completed Oroville Reservoir
R	Regulated stage and flow
S	Revised to current datum
T	Datum of gage is 0=0 USED
U	Crest stage partial recorded
N/A	Not available at report time
[*]	Peak of record established current year

STREAM AND STATION	DRAINAGE AREA IN SQ MILES	PERIOD OF RECORD	SOURCE OF RECORD	PREVIOUS MAXIMUM OF RECORD DATE	PREVIOUS MAXIMUM OF RECORD STAGE IN FEET	PREVIOUS MAXIMUM OF RECORD DISCHARGE IN CFS	1972-1973 WATER YEAR DATE	1972-1973 WATER YEAR STAGE IN FEET	1972-1973 WATER YEAR DISCHARGE IN CFS
NORTH COASTAL AREA									
SMITH RIVER BASIN									
SMITH RIVER NEAR CRESCENT CITY	609	1951-	USGS	12-22-64	48.5	228,000	12-22-72	28.62	99,400
KLAMATH RIVER BASIN									
SHASTA RIVER NEAR YREKA	793	1933-41 1944-	USGS	12-22-64 12-22-64	12.7 13.9(A)	21,500 - -	12-17-72	5.82	54
SCOTT RIVER NEAR FORT JONES	653	1941-	USGS	12-22-64	25.2(AC)	54,600	12-22-72	9.77	3,61
KLAMATH RIVER NEAR SEIAD VALLEY	6980	1911-25 1951-	USGS	12-23-64	33.8(A)	165,000	1-16-73	6.33	10,300
SALMON RIVER AT SOMESBAR	751	1911-15 1927-	USGS	12-22-64	46.6(A)	133,000	1-13-73	10.62	12,900
KLAMATH RIVER AT ORLEANS	8475	1927-	USGS	12-22-64	76.5(AC)	307,000	1-13-73	14.59	33,900
TRINITY RIVER ABOVE COFFEE CREEK NEAR TRINITY CENTER	149	1957-	USGS	12-22-64 12-22-64	12.3 13.4(A)	20,800 - -	12-22-72	5.66	2,640
TRINITY RIVER AT LEWISTON	728	1911-	USGS	12-22-55	27.3(AC)	71,600	7-28-73	4.19	540
NORTH FORK TRINITY RIVER AT HELENA	151	1911-13 1957-	USGS-DWR	12-22-64	27.9(A)	35,800	1-16-73	12.39	3,330
TRINITY RIVER NEAR BURNT RANCH	1439	1931-40 1956-	USGS	12-22-55	43.2(A)	172,000	1-13-73	10.16	6,820
HAYFORK CREEK NEAR HYAMPOM	378	1953-	USGS	12-22-64	19.1	28,800	1-16-73	12.57	10,400
WILLOW CREEK NEAR WILLOW CREEK	41	1959-	USGS	12-22-64	20.6(A)	17,000	12-22-72	6.98	1,350(E)
TRINITY RIVER AT HOOPA	2862	1911-14 1916-18 1951-	USGS	12-22-64	40.3(AC)	231,000	1-16-73	31.32	45,100
KLAMATH RIVER NEAR KLAMATH	12100	1911-26 1950-	USGS	12-23-64	55.3(A)	557,000	1-17-73	14.68	97,800
REDWOOD CREEK BASIN									
REDWOOD CREEK AT ORICK	278	1911-13 1953-	USGS	12-22-64	24.0(A)	50,500	12-17-72	11.67	10,000
LITTLE RIVER BASIN									
LITTLE RIVER NEAR TRINIDAD	44	1955-	USGS	1-22-72 1-17-53	14.66 15.7(A)	4,720 - -	12-17-72	5.52	1,760
MAD RIVER BASIN									
MAD RIVER NEAR FORESTVILLE	143	1953-	USGS	12-22-55	24.5(A)	39,200	1-16-73	9.11	6,200
MAD RIVER NEAR ARCATA	485	1910-13 1950-	USGS	12-22-55	29.8	77,800	1-16-73	13.07	14,400
EEL RIVER BASIN									
EEL RIVER BELOW SCOTT DAM NEAR POTTER VALLEY	290	1942-	USGS	12-22-64	24.2(A)	56,300	1-16-73	14.51	11,400
EEL RIVER AT VAN ARSDALE DAM NEAR POTTER VALLEY	349	1909-	USGS	12-22-64	33.9(A)	64,100	1-16-73	14.27	17,600
OUTLET CREEK NEAR LONGVALE	161	1956-	USGS	12-22-64	30.6(A)	77,900	1-16-73	13.09	14,600
BLACK BUTTE RIVER NEAR COVELO	162	1951-	USGS	12-22-64 12-11-37	26.4(A) 36.2(AC)	29,100 - -	1-16-73	10.63	5,280
NORTH FORK EEL RIVER NEAR RIO	248	1953-	USGS	12-22-64	33.6(A)	132,000	1-16-73	17.05	19,400

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NORTH COASTAL AREA (CONTINUED)									
EEL RIVER BASIN (CONTINUED)									
EEL RIVER NEAR FORT SEWARD	2197	1955-	USGS	12-22-64	87.2(AC)	561,000	1-16-73	33.30	94,800
TOMPKINS CREEK NEAR LAYTONVILLE	56	1957-	USGS	12-22-55	22.9(A)	16,300	12-17-72	12.63	11,200
SOUTH FORK EEL RIVER NEAR MIRANDA	537	1959-	USGS	12-22-64	46.0(A)	199,000	1-15-73	19.63	44,300
ELK CREEK NEAR WILLITS	28	1960-	USGS	12-22-64	20.6(AC)	6,520	1-16-73	8.16	1,160
EEL RIVER AT SCOTIA	3113	1910-	USGS	12-23-64	72.0(A)	752,000	1-16-73	34.02	154,000
VAN DUZEN RIVER NEAR BRIDGEVILLE	222	1950-	USGS	12-22-64	24.9(A)	48,700	1-16-73	14.83	18,200
MATTOLE RIVER BASIN									
MATTOLE RIVER NEAR PETROLIA	240	1911-13 1915-	USGS	12-22-55	20.6(C)	90,400	12-17-72	17.87	34,400
NOYO RIVER BASIN									
NOYO RIVER NEAR FORT BRAGG	106	1951-	USGS	12-22-64	26.3	24,000	1-16-73	16.27	5,720
NAVARRO RIVER BASIN									
NAVARRO RIVER NEAR NAVARRO	303	1950-	USGS	12-22-55	40.6(C)	64,500	1-16-73	23.28	16,700
RUSSIAN RIVER BASIN									
RUSSIAN RIVER NEAR UKIAH	100	1911-13 1952-	USGS	12-21-55	21.0	18,900	1-11-73	17.18	7,320
EAST FORK RUSSIAN RIVER NEAR CALPELLA	92	1941-	USGS	12-22-64	20.2	18,700	1-16-73	15.62	5,690
RUSSIAN RIVER NEAR HOPLAND	562	1939-	USGS	12-22-55 12- -37	27.0 30.0(A)	45,000 - -	1-12-73	16.55	14,800
RUSSIAN RIVER NEAR CLOVERDALE	593	1951-	USGS	12-22-64	31.6(C)	55,200	1-16-73	16.67	18,900
DRY SULPHUR CREEK NEAR CLOVERDALE	82	1957-72	USGS	12-22-55	16.8(A)	20,000	STATION DISCONTINUED		
RUSSIAN RIVER NEAR HEALDSBURG	793	1939-	USGS	12-23-64 12- -37	27.0 30.8(A)	71,300 - -	1-16-73	18.68	39,700
DRY CREEK NEAR CLOVERDALE	86	1941-	USGS	12-22-64	18.1	18,100	1-12-73	12.94	9,920
DRY CREEK NEAR GEYSERVILLE	162	1959-	USGS	1-31-63	17.5	32,400	1-12-73	15.09	15,600
RUSSIAN RIVER NEAR GUERNEVILLE (SUMMERHOME)	1340	1939-	USGS	12-23-64 12-23-55	43.6(A) 49.7(A)	93,400 - -	1-12-73	40.56	62,600
SAN FRANCISCO BAY AREA									
WALKER CREEK BASIN									
WALKER CREEK NEAR TOMALES	37	1959-	USGS	1- 5-66	22.2	5,420	1-16-73	22.91	6,600•
CORTE MADERA CREEK BASIN									
CORTE MADERA CREEK AT S.P.	18	1951-	USGS	12-22-55	17.5	3,620	1-16-73	16.16	2,700
NOVATO CREEK BASIN									
NOVATO CREEK NEAR NOVATO	18	1946-	USGS	1-14-70	11.0	2,000	1-16-73	10.90	1,970

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SAN FRANCISCO BAY AREA (CONTINUED)									
SONOMA CREEK BASIN									
SONOMA CREEK AT OLDEN AVENUE	54	1965-	USGS	12-22-55	17.1(C)	a,880	1-16-73	15.31	a,830
NAPA RIVER BASIN									
NAPA RIVER NEAR ST. HELENA	61	1927-32 1939-	USGS	12-22-55	16.2	12,600	1-16-73	15.10	11,300
NAPA RIVER NEAR NAPA	218	1927-32 1939-	USGS	1-31-63	27.6	16,900	1-16-73	21.47	13,900
NAPA CREEK NEAR NAPA	10	1958-	USGS	1- 5-65	10.4	1,450	1-16-73	8.15	1,260
PACHECO CREEK BASIN									
SAN PABLO CREEK AT SAN PABLO	6	1962-	USGS	10-13-62	17.0	1,600	1-16-73	5.76	510
SAN LEANDRO CREEK BASIN									
SAN LEANDRO CREEK AT HAYWARD	38	1939-40 1948-	USGS	10-13-62 12-22-55	19.7(A) 20.8(A)	7,460 - -	2-27-73	14.24	3,540(R)
ALAMEDA CREEK BASIN									
ARROYO MOCHO NEAR PLEASANTON	141	1962-	USGS	2- 1-63	8.60(C)	1,760	1-16-73	12.47	1,700*
ARROYO VALLE NEAR LIVERMORE	147	1912-36 1957-	USGS	12-23-55	15.9(A)	18,200	2-11-73	5.54	1,030(R)
ARROYO VALLE AT PLEASANTON	171	1957-	USGS	4- 3-58	25.4	11,300	2-13-73	11.17	1,060(R)
ALAMEDA CREEK NEAR NILES	633	1891-	USGS	12-23-55	14.9	29,000	1-16-73	9.28	6,350(R)
PATTERSON CREEK AT UNION CITY	--	1958-	USGS	2- 1-63	20.4(A)	17,500	1-16-73	15.18	6,100(R)
ALAMEDA CREEK AT UNION CITY	653	1958-	USGS	2- 1-63	19.3(A)	1,770	2-27-73	11.61	100(R)
COYOTE CREEK BASIN									
COYOTE CREEK NEAR MADRONE	196	1902-12 1916-	USGS	3- 7-11	- -	25,000	1-19-73	2.43	75(R)
UPPER PENITENCIA CREEK AT SAN JOSE	24	1961-	USGS	1-21-67	5.2	15,000	1-16-73	5.07	490
GUADALUPE RIVER BASIN									
ALAMITOS CREEK NEAR NEW ALMADEN	32	1953-74	USGS	4- 2-58	9.7	4,300	STATION DISCONTINUED		
GUADALUPE RIVER AT SAN JOSE	144	1929-	USGS	4- 2-58	16.6	9,150	1-16-73	8.31	4,380(R)
SARATOGA CREEK AT SARATOGA	9	1933-	USGS	12-22-55	6.4(C)	2,730	1-16-73	6.03	1,580
MATADERO CREEK BASIN									
MATADERO CREEK AT PALO ALTO	7	1952-	USGS	12-22-55	4.6(C)	854	2-27-73	5.57	1,100*
SAN FRANCISQUITO CREEK BASIN									
SAN FRANCISQUITO CREEK AT STANFORD UNIVERSITY	34	1930-41 1950-	USGS	12-22-55	13.6	5,560	1-16-73	7.64	3,390

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CENTRAL COASTAL AREA									
REDWOOD CREEK BASIN									
REDWOOD CREEK AT REDWOOD CITY	2	1959-	USGS	1-31-63	9.4	644	11-19-72	7.55	460
PESCADERO CREEK BASIN									
PESCADERO CREEK NEAR PESCADERO	46	1951-	USGS	12-23-55	21.3	9,420	1-16-73	15.21	4,750
SAN LORENZO RIVER BASIN									
SAN LORENZO RIVER AT BIG TREES	111	1936-	USGS	12-23-55	22.6	30,400	1-16-73	22.53	11,300
SOQUEL CREEK BASIN									
SOQUEL CREEK AT SOQUEL	40	1931-	USGS	12-23-55	22.3	15,800	1-16-73	12.55	4,530
PAJARO RIVER BASIN									
ESCHISH CREEK NEAR GILROY	7	1959-	USGS	1-31-63	8.3	1,240	1-16-73	5.86	360
TRES PINOS CREEK NEAR TRES PINOS	206	1939-	USGS	4- 4-41	7.8	8,060	2-11-73	9.67	5,700
SAN BENITO RIVER NEAR HOLLISTER	506	1949-	USGS	4- 3-58	16.3	11,600	2-11-73	14.57	7,370
PAJARO RIVER AT CHITTENDEN	1186	1939-	USGS	12-24-55 4- 3-58	32.5 33.1	24,000	2-11-73	17.73	12,500
CORRALITOS CREEK NEAR CORRALITOS	11	1957-72	USGS	4- 2-58	7.6	1,970	STATION DISCONTINUED		
CORRALITOS CREEK AT FREEDOM	26	1956-	USGS	12-22-55	15.6(A)	3,620	1-16-73	10.09	1,930
SALINAS RIVER BASIN									
SALINAS RIVER NEAR PUZO	70	1942-	USGS	1-25-69 1-25-69	13.9(C) 15.5(A)	16,600	2-11-73	17.15	8,920
SALINAS RIVER ABOVE PILITAS CREEK NEAR SANTA MARGARITA	114	1942-	USGS	1-25-69	14.7	16,600	2-11-73	4.33	1,640
JACK CREEK NEAR TEMPLETON	25	1949-	USGS	2-24-69	11.3	8,160	1-16-73	7.87	2,760
ESTRELLA RIVER NEAR ESTRELLA	922	1954-	USGS	2-24-69	10.4(A)	32,500	2-11-73	7.00	6,000
NACIMIENTO RIVER NEAR BRYSON	140	1955-71	USGS	1-25-69	24.60	39,100	STATION DISCONTINUED		
NACIMIENTO RIVER BELOW SAPAQUE CREEK NEAR BRYSON	156	1971-	USGS	1-25-71	16.64	7,690	1-16-73	23.00	24,000*
SALINAS RIVER NEAR BRADLEY	2535	1948-	USGS	2-24-69	20.3(A)	117,000	2-11-73	11.30	11,400
ARROYO SECO NEAR SOLEDAD	244	1901-	USGS	4- 3-58	16.4	28,300	2-11-73	11.15	9,680
SALINAS RIVER NEAR SPRECKELS	4156	1900-01 1929-	USGS	2-26-69 1-16-52	26.5(C) 26.9(AC)	83,100 - -	2-12-73	16.04	16,140
CARMEL RIVER BASIN									
CARMEL RIVER AT ROBLES DEL RIO	193	1957-	USGS	4- 2-58 12-23-55	10.5 11.7(A)	7,100 6,930	2-11-73	9.09	3,120
BIG SUR RIVER BASIN									
BIG SUR RIVER NEAR BIG SUR	47	1950-	USGS	4- 2-58	11.6	5,680	2-11-73	6.36	2,790

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CENTRAL COASTAL AREA (CONTINUED)									
ARROYO DE LA CRUZ BASIN									
ARROYO DE LA CRUZ NEAR SAN SIMEON	41	19[illegible]-	USGS	12- 6-66	19.3	35,200	1-[illegible]-73	11.14	12,720
SANTA ROSA CREEK BASIN									
SANTA ROSA CREEK NEAR CAMBRIA	13	1957-	USGS	1-25-69 12- -55	12.[illegible] 15.2(A)	[illegible],350 - -	1-16-73	10.02	2,780
SANTA MARIA RIVER BASIN									
SISQUOC RIVER NEAR GAREY	471	1949-	USGS	1-25-69	13.3	24,500	2-[illegible]-73	9.67	9,190
SANTA MARIA RIVER AT GUADALUPE	1741	1940-	USGS	1-16-52	8.2(C)	32,800	2-11-73	7.23	2,760(E)
SANTA YNEZ RIVER BASIN									
SANTA YNEZ RIVER BELOW GIBRALTAR DAM NEAR SANTA BARBARA	216	1930-	USGS	1-25-69	25.6	54,200	2-11-73	16.95	16,200
SANTA CRUZ CREEK NEAR SANTA YNEZ	74	1941-	USGS	2-24-69	14.5(A)	7,050	1-[illegible]-73	11.6	2,590
SAN JOSE CREEK BASIN									
SAN JOSE CREEK NEAR GOLETA	6	1941-	USGS	1-25-69 1-21-43	10.1 12.7	2,000 - -	1-18-73	8.9[illegible]	1,300
ATASCADERO CREEK BASIN									
ATASCADERO CREEK NEAR GOLETA	19	1941-	USGS	1-25-69	13.0	5,230	1-18-74	12.8[illegible]	3,830
CARPINTERIA CREEK BASIN									
CARPINTERIA CREEK NEAR CARPINTERIA	13	1941-	USGS	12-27-71	14.1(A)	8,880	1-18-73	9.78	1,780
SOUTH COASTAL AREA									
VENTURA CREEK BASIN									
MATILIJA CREEK AT MATILIJA HOT SPRINGS	55	1927-	USGS	1-25-69	16.5	20,000	2-11-73	7.5[illegible]	3,560
VENTURA RIVER NEAR MEINERS OAKS	76	1959-	USGS	1-25-69	- -	28,000(E)	2-11-73	9.40	6,370
COYOTE CREEK NEAR OAK VIEW	13	1958-	USGS	1-25-69	12.0	8,000	1-18-73	11.5	6,400
VENTURA RIVER NEAR VENTURA	188	1911-14 1929-	USGS	1-25-69	24.3(A)	58,000	2-11-73	16.5	17,500
SANTA CLARA RIVER BASIN									
SAN CLARA RIVER AT LOS ANGELES-VENTURA CO. LINE	644	1952-	USGS	1-25-69	19.3	68,800	2-11-73	9.20	12,500
PIRU CREEK ABOVE LAKE PIRU	372	1955-	USGS	2-25-69	18.6(A)	31,200	2-11-73	7.3[illegible]	5,300
SESPE CREEK NEAR FILLMORE	251	1911-13 1927-	USGS	1-25-69 2-25-69	20.8 25.0(A)	60,000 - -	2-11-73	20.66	31,600
SANTA PAULA CREEK NEAR SANTA PAULA	40	1927-	USGS	2-25-69	15.2(A)	21,000	2-11-73	13.3	13,500
MALIBU CREEK BASIN									
MALIBU CREEK AT CRATER CAMP NEAR CALABASAS	105	1931-	USGS	1-25-69	21.4	36,800	2-11-73	11.92	8,250(E)
BALLONA CREEK BASIN									
BALLONA CREEK NEAR CULVER CITY	93	1928-	USGS	11-21-67	14.3	32,500	2-11-73	8.44	7,130(E)

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SOUTH COASTAL AREA (CONTINUED)									
LOS ANGELES RIVER BASIN									
LOS ANGELES RIVER AT SEPULVEDA DAM	158	1929-	USGS	1-25-69	11.4	13,800	2-11-73	9.86	11,190
LOS ANGELES RIVER AT LOS ANGELES	514	1929-	USGS	3- 2-38	- -	67,000	2-11-73	7.70	21,500
EL MONDO NEAR DOWNEY	143	1928-	USGS	1-25-69	15.2	46,900	2-11-73	8.10	15,180
SANTA ANA RIVER BASIN									
SANTA ANA RIVER NEAR MENTONE	209	1896-	USGS	3- 2-38	14.3(C)	52,300	2-11-73	5.15	930
SAN TIMOTEO CANYON CREEK BELOW SANTA FE DAM NEAR BALDWIN PARK	236	1942-	USGS	1-26-69	22.2	30,900	3-22-73	11.16	320
SANTA ANA RIVER AT E ST NEAR SAN BERNARDINO	532	1939-54 1966-	USGS	2-25-69	16.5	28,000	2-11-73	4.97	1,880(E)
DEVILS CREEK NEAR YUCAIPA	42	1919-38 1947-	USGS	1-25-69	16.8(A)	35,400	2-11-73	7.30	90
LYTLE CREEK NEAR FONTANA	46	1916-	USGS	1-25-69	15.0(A)	35,900	2-11-73	6.75	1,600
CAJON CREEK NEAR KEENBROOK	41	1919-	USGS	3- 2-38	26.0(C)	14,500	2-11-73	6.50	1,360
SANTA ANA RIVER AT RIVERSIDE NARROWS NEAR ARLINGTON	635	1927-	USGS	3- 2-38	- -	100,000	2-11-73	10.45	3,730(E)
SAN JACINTO RIVER NEAR SAN JACINTO	141	1920-	USGS	2-16-27	- -	45,000	2-13-73	10.68	100
SANTIAGO CREEK AT MODJESKA	13	1961-	USGS	2-25-69	6.2	6,520	2-11-73	6.03	530
SANTIAGO CREEK AT SANTA ANA	95	1928-	USGS	2-25-69 1-16-52	7.1(C) 9.6	6,600 - -	1-16-73	5.30	700
SAN JUAN CREEK BASIN									
SAN JUAN CREEK NEAR SAN JUAN CAPISTRANO	106	1928-	USGS	2-25-69	5.6(AC)	22,400	2-11-73	4.17	300
SANTA MARGARITA RIVER BASIN									
SANTA MARGARITA RIVER AT TEMECULA	583	1923-	USGS	2-16-27	14.6(C)	25,000	2-13-73	7.47	2,650
SANTA MARGARITA RIVER AT YSIDORA	739	1923-	USGS	2-16-27	18.3(C)	33,600	2-14-73	12.49	1,250
SAN LUIS REY RIVER BASIN									
SAN LUIS REY RIVER AT MONSERATE NARROWS NR PALA	373	1935-41 1946-	USGS	2- 7-37	8.7(C)	- -	3-12-73	4.45	390
SAN LUIS REY RIVER NEAR BONSALL	512	1910-18 1929-	USGS	3- 3-38	16.0	18,100	2-11-73	8.46	660
SAN DIEGUITO RIVER BASIN									
SANTA YSABEL CREEK NEAR RAMONA	112	1912-23 1943-	USGS	1-27-16	14.0(C)	26,400	3-11-73	3.47	160
SAN YSABEL CREEK NEAR SAN PASQUAL	128	1905-12 1947-	USGS	4-24-06	6.3(C)	8,000	3-12-73	3.32	230(E)
SAN DIEGO RIVER BASIN									
SAN DIEGO RIVER NEAR SANTEE	377	1912-	USGS	1-27-16	25.1(C)	70,200	2-13-73	5.13	510
SWEETWATER RIVER BASIN									
SWEETWATER RIVER NEAR DESCANSO	46	1905-27 1936-	USGS	2-16-27	13.2(AC)	11,200	3-13-73	5.17	270
TIJUANA RIVER BASIN									
TIJUANA RIVER NEAR DULZURA	431	1936-	USGS	2- 7-37	8.5	4,700	3-14-73	4.03	280

STREAM AND STATION	DRAINAGE AREA IN SQ MILES	PERIOD OF RECORD	SOURCE OF RECORD	PREVIOUS MAXIMUM OF RECORD: DATE	PREVIOUS MAXIMUM OF RECORD: STAGE IN FEET	PREVIOUS MAXIMUM OF RECORD: DISCHARGE IN CFS	1972-1973 WATER YEAR: DATE	1972-1973 WATER YEAR: STAGE IN FEET	1972-1973 WATER YEAR: DISCHARGE IN CFS
CENTRAL VALLEY AREA									
SACRAMENTO RIVER BASIN									
SACRAMENTO RIVER AT DELTA	425	1944-	USGS	12-22-64	20.1	38,800	1-16-73	13.54	17,900
PIT RIVER NEAR BIEBER	2475	1904-31 1951-	USGS	3-19-07	16.7	33,800	1-18-73	7.20	3,430
PIT RIVER BELOW PIT NO.4 DAM	4647	1922-	USGS	1-25-70	18.1	32,500(E)	1-19-73	9.39	5,340
MCCLOUD RIVER ABOVE SHASTA LAKE	604	1945-	USGS	12-22-55	28.2	45,200	1-16-73	19.05	12,100
SACRAMENTO RIVER AT KESWICK	6468	1938-	USGS-DWR	2-23-40	47.2(C)	186,000	1-19-73	25.37	41,200
CLEAR CREEK AT FRENCH GULCH	115	1950-	USGS	12-22-64	13.7	7,600	1-16-73	9.79	3,400
CLEAR CREEK NEAR IGO	226	1940-	USGS	12-21-55	13.8	24,500	1-16-73	7.08	4,140
COW CREEK NEAR MILLVILLE	425	1949-	USGS	12-27-51	21.6	45,200	1-16-73	12.92	19,000
COTTONWOOD CREEK NEAR COTTONWOOD	922	1940-	USGS	12-22-64	19.6	60,000	1-16-73	15.43	27,400
BATTLE CREEK BELOW COLEMAN FISH HATCHERY NEAR COTTONWOOD	358	1961-	USGS	12-11-37	15.8(AC)	35,000	1-16-73	7.41	5,400
SACRAMENTO RIVER AT BEND BRIDGE	--	1960-	DWR	1-24-70	48.3	158,000	1-16-73	35.66	82,300
PAYNES CREEK NEAR RED BLUFF	93	1949-	USGS	12- 1-61	11.3	10,600	1-16-73	8.38	4,400(U)
RED BANK CREEK NEAR RED BLUFF	94	1948-	DWR	1- 5-65	10.1	9,730	1-16-73	10.00	8,600
ANTELOPE CREEK NEAR RED BLUFF	123	1940-	USGS	1-23-70	18.0	17,200	1-16-73	12.69	4,920
ELDER CREEK NEAR PASKENTA	93	1948-	USGS	2-24-58	13.9(C)	11,700	1-16-73	8.55	4,020
MILL CREEK NEAR LOS MOLINOS	131	1909-13 1928-	USGS	12-11-37	23.4(A)	36,400	1-16-73	9.22	5,610
THOMES CREEK AT PASKENTA	194	1920-	USGS-DWR	12-22-64	15.3	37,800	1-16-73	8.89	7,740
DEER CREEK NEAR VINA	208	1911-15 1920-	USGS-DWR	12-10-37	13.2(A)	23,800	1-16-73	9.74	7,310
SACRAMENTO RIVER AT VINA BRIDGE	--	1945-	DWR	1-24-70 1-24-70	191.5(T) - -	171,000 228,000(L)	1-16-73	184.89	94,510
SACRAMENTO RIVER AT HAMILTON CITY (BEFORE SHASTA DAM)	--	1927-43	DWR	12-11-37	150.7(CT	350,000(EL			
SACRAMENTO RIVER AT HAMILTON CITY (AFTER SHASTA DAM)	--	1944-	DWR	1-24-70	150.8(T)	156,000	1-18-73	144.47	97,580
BIG CHICO CREEK NEAR CHICO	72	1930-	USGS	1- 5-65	15.4	9,580	1-16-73	10.87	5,200
STONY CREEK NEAR ELK	598	1901-12 1960-	USGS	12-23-64	15.9	40,200	2 -7-73	12.26	18,900
STONY CREEK NEAR HAMILTON CITY	777	1940-	USGS	2-25-58	18.3	39,900	1-19-73	12.25	10,200
SACRAMENTO RIVER AT ORD FERRY (BEFORE SHASTA DAM)	--	1921-43	DWR	2-28-40	121.7(T)	370,000(EL			
SACRAMENTO RIVER AT ORD FERRY (AFTER SHASTA DAM)	--	1944-	DWR	1-24-70	119.8(T)	265,000(EL	1-19-73	64.89	46,310
SACRAMENTO RIVER AT BUTTE CITY (BEFORE SHASTA DAM)	--	1921-43	USGS-DWR	2- 7-42	96.9	170,000			

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CENTRAL VALLEY AREA (CONTINUED)									
SACRAMENTO RIVER BASIN (CONTINUED)									
SACRAMENTO RIVER AT BUTTE CITY (AFTER SHASTA DAM)	--	1944-	USGS-DWR	2-20-58 1-24-70	96.7 - -	160,000 225,000(L)	1-19-73	91.41	98,500
MOULTON WEIR SPILL TO BUTTE BASIN	--	1935-	DWR	1-25-70 2- 7-42	83.6 83.3	30,400(B) - -	1-19-73	80.34	11,390
COLUSA WEIR SPILL TO BUTTE BASIN	--	1935-	DWR	3- 1-40	70.6	86,000(B)	1-20-73	66.67	44,510
SACRAMENTO RIVER AT COLUSA	12110	1940-	USGS-DWR	2- 8-42	69.2	49,000	1-20-73	65.51	42,300
COLUSA BASIN DRAIN AT HIGHWAY 20	--	1934-	DWR	2-21-58	51.9	25,400(E)	2-10-73	51.47	7,490
BUTTE CREEK NEAR CHICO	147	1930-	USGS	12-22-64	14.1	21,200	1-16-73	7.72	6,760
BUTTE SLOUGH NEAR MERIDIAN	--	1968-	DWR	1-26-70	61.5(E)	152,000(E)	1-20-73	56.90	59,500
TISUALE WEIR SPILL TO SUTTER BYPASS	--	1940-	DWR	3- 1-40	53.3	25,700(B)	1-20-73	49.10	18,200
SACRAMENTO RIVER BELOW WILKINS SLOUGH	12926	1938-	USGS	1-26-70 3- 1-40	50.7 52.8	29,300 - -	1-20-73	48.65	28,300
SACRAMENTO RIVER AT KNIGHTS LANDING	14541	1921-39 1949-	USGS-DWR	1-26-70 2- 8-42	40.9 41.6(D)	30,800 - -	1-20-73	38.61	29,500
MIDDLE FORK FEATHER RIVER NEAR CLIO	686	1925-	USGS	2- 1-63	16.2	14,500	1-16-73	10.52	3,440
MIDDLE FORK FEATHER RIVER NEAR MERRIMAC	1062	1951-	USGS	12-22-64	26.5(A)	86,200	1-16-73	12.92	12,600
NORTH FORK FEATHER RIVER NEAR PRATTVILLE	493	1905-	USGS	3-19-07	16.2(C)	10,000	2 -1-73	5.87	1,470(R)
BUTT CREEK BELOW ALMADOR-BUTT CREEK TUNNEL NEAR PRATTVILLE	69	1936-39 1964-	USGS	12-23-64	5.9	3,830	5-15-73	2.13	520(R)
INDIAN CREEK NEAR CRESCENT MILLS	739	1906-18 1930-	USGS	3-19-07	20.2(C)	25,000	1-16-73	8.54	4,110
SPANISH CREEK ABOVE BLACKHAWK CREEK AT KELLEE	184	1933-	USGS	12-22-64	13.5	15,400	1-16-73	9.04	6,610
NORTH FORK FEATHER RIVER AT PULGA	1353	1910-	USGS	12-22-64	35.8	73,000(H)	1-16-73	17.13	13,300
WEST BRANCH FEATHER RIVER NEAR PARADISE	110	1957-	USGS-DWR	12-22-64	26.2(A)	26,300	1-16-73	13.39	6,740
FEATHER RIVER AT OROVILLE (BEFORE OROVILLE DAM)	3624	1894-67	USGS-DWR NOAA	3-19-07 12-22-64	28.2 - -	230,000(CP 252,000(Q)			
FEATHER RIVER AT OROVILLE (AFTER OROVILLE DAM)	3624	1967-	USGS-DWR	1-25-70	15.3	56,300(N)	1-16-73	9.90	29,400(N)
THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE	--	1967-	USGS-DWR	1-28-70	23.3	21,600	1-16-73	8.95	18,900
FEATHER RIVER NEAR GRIDLEY (BEFORE OROVILLE DAM)	3676	1929-67	USGS-DWR	12-23-55	102.2(T)	- -			
FEATHER RIVER NEAR GRIDLEY (AFTER OROVILLE DAM)	3676	1967-	USGS-DWR	1-27-70	92.8(T)	72,900	1-19-73	38.64	47,000
SOUTH HONCUT CREEK NEAR PANGOR	31	1950-	USGS	12-26-64	19.3	17,600	2-27-73	9.28	3,770

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CENTRAL VALLEY AREA (CONTINUED)									
SACRAMENTO RIVER BASIN (CONTINUED)									
FEATHER RIVER AT YUBA CITY	3474	1943-	USGS-DWR	12-23-64 12-24-55	70.4 82.4	176,000 - -	1-17-73	58.99	- -(D)
SOUTH YUBA RIVER NEAR GOODYEARS BAR	230	1931-	USGS	2- 1-63	23.8(A)	40,000	1-18-73	9.74	5,04
NORTH YUBA RIVER BELOW NEW BULLARDS BAR DAM	490	1940-	USGS	1-22-70 12-22-64	55.3 40.5(C)	56,200 91,600(M)	2-27-73	4.69	40
SOUTH YUBA RIVER NEAR CISCO	52	1942-	USGS	1-31-63	20.6(A)	18,400	5-14-73	7.58	2,210
SOUTH YUBA RIVER AT JONES BAR NEAR GRASS VALLEY	309	1940-46 1959-	USGS	12-22-64	25.0(A)	53,600	1-12-73	12.56	7,400
YUBA RIVER BELOW ENGLEBRIGHT DAM	1108	1941-	USGS	12-22-64	564.1(C)	171,000(K)	1-16-73	14.54	13,700
BEAR CREEK NEAR SMARTVILLE	65	1935-	USGS	10-13-62	13.8	11,600	1-12-73	9.83	5,430
YUBA RIVER NEAR MARYSVILLE	1339	1940-	USGS	12-22-64	90.2	180,000	1-16-73	77.54	14,400
BEAR RIVER NEAR WHEATLAND	292	1926-	USGS	12-22-55 11-21-50	19.5(C) 20.8(C)	33,000 - -	1-12-73	16.45	16,600
FEATHER RIVER AT NICOLAUS	5920	1943-	USGS-DWR	12-23-55	51.6	357,000	1-19-73	43.36	66,400
FREMONT WEIR (WEST END) SPILL TO YOLO BYPASS	--	1934-	DWR	12-23-55	39.7	294,000(B)	1-17-73	36.54	99,100
SACRAMENTO RIVER AT VERONA	21257	1929-	USGS-DWR	3- 1-40	41.2	79,200	1-19-73	36.45	65,400
SACRAMENTO WEIR SPILL TO YOLO BYPASS NEAR SACRAMENTO	--	1926-	USGS-DWR	3-26-28 12-23-55	32.8 33.0	116,000(BE - -			NO FLOW
NORTH FORK AMERICAN RIVER AT NORTH FORK DAM	342	1941-	USGS	12-23-64	11.9	65,400	1-12-73	6.13	16,900
RUBICON RIVER NEAR FORESTHILL	315	1958-	USGS	12-23-64	55.4(AI)	- -	1-12-73	17.01	5,36
MIDDLE FORK AMERICAN RIVER NEAR FORESTHILL	524	1958-	USGS	12-23-64	69.0(AI)	310,000(I)	1-12-73	13.42	13,500
MIDDLE FORK AMERICAN RIVER NEAR AUBURN	614	1911-	USGS	12-23-64	66.4(AI)	253,000(I)	1-12-73	18.31	16,400
SOUTH FORK AMERICAN RIVER NEAR CAMINO	493	1922-	USGS	12-23-55	32.6(A)	49,800	7-12-73	8.43	480(K)
SOUTH FORK AMERICAN RIVER NEAR LOTUS	673	1951-	USGS	12-23-55	21.9	71,800	1-12-73	13.67	19,400(K)
AMERICAN RIVER AT FAIR OAKS (BEFORE FOLSOM DAM)	1888	1904-55	USGS	11-21-50	31.9(C)	180,000			
AMERICAN RIVER AT FAIR OAKS (AFTER FOLSOM DAM)	1888	1955-	USGS	12-23-64	21.6	115,000	1-14-73	15.42	32,700
SACRAMENTO RIVER AT SACRAMENTO	23530	1879-	USGS-DWR NOAA	11-21-50	30.1(C)	104,000	1-19-73	26.74	93,400
SACRAMENTO RIVER AT WALNUT GROVE	--	1929-	DWR	12-25-64	12.2	- -	1-19-73	11.32	- -(D)
AUBURN CREEK NEAR KELSEYVILLE	6	1954-	USGS	12-22-64	9.1	1,500	1-16-73	8.35	1,260
KELSEY CREEK NEAR KELSEYVILLE	37	1946-	USGS	12-21-55	12.8	6,800	1-19-73	9.19	2,610
CACHE CREEK NEAR LOWER LAKE	520	1944-	USGS	2-24-58	9.4	8,000	2-20-73	7.96	5,030

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CENTRAL VALLEY AREA (CONTINUED)									
SACRAMENTO RIVER BASIN (CONTINUED)									
NORTH FORK CACHE CREEK NEAR LOWER LAKE	137	1930-	USGS	12-11-37	14.3(A)	20,300	1-23-73	9.47	9,900
CACHE CREEK ABOVE RUMSEY	955	1960-	USGS-DWR	1- 5-65	21.4(A)	59,000	1-24-73	16.09	24,240
CACHE CREEK NEAR CAPAY	1044	1942-	USGS	2-24-58	20.9	51,000	2 -7-73	15.17	21,600
CACHE CREEK AT YOLO	1139	1973-	USGS	2-25-58 3-10-54	23.4 28.4(P)	41,400 - -	1-10-73	74.17	21, 00
YOLO BYPASS NEAR WOODLAND	--	1959-	USGS-DWR	2- 8-42	32.0	272,000	1-19-73	28.24	112,000
DRY CREEK NEAR MIDDLETOWN	8	1959-72	USGS	2- 8-60	9.9	3,470	STATION DISCONTINUED		
PUTAH CREEK NEAR WINTERS	574	1920-	USGS-DWR	2-27-40	30.5	81,000	3-21-73	9.12	1,140
YOLO BYPASS NEAR LISBON	--	1914-	DWR	12-25-64	24.7	350,000(E)	1-2 -73	17.71	- -(D)
SACRAMENTO RIVER AT RIO VISTA	--	1956-	DWR	12-26-55	10.2	- -(D)	1-18-73	9.75	- -(D)
SAN JOAQUIN RIVER BASIN									
WILLOW CREEK AT MOUTH NEAR AMBERRY	139	1952-	USGS	12-23-55	28.5(A)	15,700	2-11-73	10.80	1,730
SAN JOAQUIN RIVER BELOW KERCKHOFF POWERHOUSE NEAR PRATHER	1481	1942-	USGS-	12-23-55	31.0(A)	92,200	5-.8-73	23.48	12,400(R)
SAN JOAQUIN RIVER NEAR FRIANT	1676	1907-	USGS	12-11-37 6- 6-69	23.8(CM) 11.7	77,200(M) 12,400	2-14-73	7.10	5,900(R)
SAN JOAQUIN RIVER NEAR MENDOTA	4310	1939-	USGS-DWR	5- 1-52 6-20-41	- - 13.6(C)	6,840 11,740(M)	6-29-73	4.17	510(R)
FRESNO RIVER NEAR KNOWLES	153	1911-13 1915-	USGS	12-23-55	11.2	13,300	2-11-73	6.32	2,720
FRESNO RIVER NEAR DAULTON	535	1941-	USGS	12-23-55	12.6	17,500	2-11-73	12.60	11,200
CHOWCHILLA RIVER NEAR RAYMOND	202	1959-	USGS	1-24-69	20.0(S)	13,700	2-11-73	14.43	6,530
EASTSIDE BYPASS NEAR EL NIDO	--	1964-	DWR	2-25-69	17.6	21,700	2-12-73	14.60	5,240
SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE	7617	1957-	DWR	2-26-69	24.1	9,180	2-15-73	65.77	4,450
MERCED RIVER AT POHONO BRIDGE NEAR YOSEMITE	321	1926-	USGS	12-23-55	21.3(A)	25,400	5-31-73	10.32	6,620
SOUTH FORK MERCED RIVE NEAR EL PORTAL	241	1930-	USGS	12-23-55	18.7	46,500	5-19-73	9.87	3,740
MERCED RIVE NEAR EXCELSIOR	641	1905-	USGS	12- 6-60	17.8	21,500	5-19-73	13.01	11,600
MERCED RIVER NEAR STEVINSON	1273	1940-	USGS	12- 5-50	73.0	13,600	2-12-73	67.04	4,510
SAN JOAQUIN RIVER NEAR NEWMAN	9524	1912-	USGS-DWR	2-26-69	65.7(A)	34,700(L)	2-15-73	62.15	11,200
STANISLAUS RIVER NEAR NEWMAN	134	1942-	USGS	4- 2-58	8.6(C)	10,200	2-11-73	6.56	1,510
SOUTH FORK TUOLUMNE RIVER NEAR OAKDALE (CREATION CAMP	87	1923-	USGS	12-23-55	10.9(A)	11,900	1-16-73	6.35	1,750
MIDDLE TUOLUMNE RIVER AT OAKDALE (CREATION CAMP	74	1917-	USGS	12-23-55	11.8(A)	4,920	5-19-73	6.15	1,020
TUOLUMNE RIVER AT MODEST	1944	1940-	USGS-DWR	12- 9-50	69.2	57,000	2-12-73	49.55	6,440

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CENTRAL VALLEY AREA (CONTINUED)									
SAN JOAQUIN RIVER BASIN (CONTINUED)									
SOUTH FORK STANISLAUS RIVER NEAR LONG BARN	67	1957-	USGS	11-21-63	7.3	4,900	3-17-73	5.86	1,270(K)
STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE	--	1928-39 1940-	DWR	12-23-55	31.8	62,000	3-21-73	7.90	4,490
STANISLAUS RIVER AT RIPON	1075	1940-	USGS-DWR	12-24-55 2-12-58	63.5 64.4(A)	62,000 - -	3-22-73 0 0 0	59.71	4,180
SAN JOAQUIN RIVER NEAR VERNALIS	13540	1922-	USGS-DWR	12- 4-50 1-27-69	32.8(C) 34.6	79,000 82,600	2-15-73	21.63	13,100
DUCK CREEK NEAR STOCKTON	--	1950-	DWR	12-24-55	5.5	400	1-16-73	6.51	780*
SOUTH FORK CALAVERAS RIVER NEAR SAN ANDREAS	118	1950-	USGS	12-23-55	10.3	17,600	1-16-73	7.82	1,190
MORMON SLOUGH AT BELLOTA	--	1948-	DWR	4- 2-58	20.7	15,400(E)	2-14-73	10.37	5,730
STOCKTON DIVERTING CANAL AT STOCKTON	--	1944-	DWR	4- 4-58	17.1(E)	11,400(E)	2-13-73	11.62	5,110
CALAVERAS RIVER NEAR STOCKTON	--	1958-	DWR	1- 6-65	12.0	760(E)	2-11-73	7.32	330
BEAR CREEK NEAR LOCKEFORD	46	1950-	USGS	4- 3-58	15.1	2,930	1-16-73	14.15	640
COLE CREEK NEAR SALT SPRINGS DAM	20	1927-42 1943-	USGS	12-23-64	10.2	6,140	5-12-73	5.01	980
SOUTH FORK MOKELUMNE RIVER NEAR WEST POINT	75	1933-	USGS	12-23-55	14.8(AC)	6,920	1-16-73	6.67	1,450
MOKELUMNE RIVER NEAR MOKELUMNE HILL	544	1901-	USGS	12- 3-50	16.5	33,700	5-31-73	8.15	6,420
MOKELUMNE RIVER AT WOODBRIDGE	661	1924-	USGS	11-22-50	29.6	27,000	2-16-73	14.74	2,000
MOKELUMNE RIVER NR. THORNTON(BENSON FERRY)	2045	1911-	DWR-NOAA	12-24-55	16.0(C)	- -(D)	1-17-73	11.99	- -(D)
DRY CREEK NEAR GALT	329	1926-33 1944-	USGS-DWR	4- 3-58	15.3	24,000	2-12-73	14.09	5,800
NORTH FORK COSUMNES RIVER NEAR EL DORADO	205	1911-41 1948-	USGS	12-23-55	14.6	15,800	1-12-73	9.32	5,050
SOUTH FORK COSUMNES RIVER NEAR RIVER PINES	64	1957-	USGS	2- 1-63	10.9	5,540	1-12-73	5.94	2,080
COSUMNES RIVER AT MICHIGAN BAR	536	1907-	USGS-DWR	12-23-55 3- -57	14.6 16.3(A)	42,000 - -	1-16-73	9.39	15,000
COSUMNES RIVER AT MCCONNELL	724	1941-	USGS	12-23-55	46.3	54,000	1-17-73	45.35	15,300
TULARE LAKE BASIN									
TULE RIVER NEAR SPRINGVILLE	247	1957-	USGS	12- 6-66	19.7(AC)	49,600	1-18-73	8.72	6,410(L)
TULE RIVER BELOW SUCCESS DAM	393	1953-	USGS	12-23-55 11-19-56	21.7(C) 26.0(AC)	27,000 32,000(M)	4-14-73	7.16	1,080(K)
KAWEAH RIVER AT THREE RIVERS	418	1958-	USGS	12- 5-66 12- 5-66	16.7 19.0(A)	73,000 - -	1-18-73	6.99	8,070
KINGS RIVER BELOW NORTH FORK	1342	1951-	USGS	12-23-55	23.1	85,200	6 -9-73	10.61	16,000(K)
BUENA VISTA LAKE BASIN									
KERN RIVER AT KERNVILLE	1309	1905-12 1953-	USGS	12- 6-66	19.3(A)	74,000	5-29-73	8.74	6,790

STREAM AND STATION	DRAINAGE AREA IN SQ MILES	PERIOD OF RECORD	SOURCE OF RECORD	PREVIOUS MAXIMUM OF RECORD			1972-1973 WATER YEAR		
				DATE	STAGE IN FEET	DISCHARGE IN CFS	DATE	STAGE IN FEET	DISCHARGE IN CFS
NORTHERN LAHONTAN AREA									
HONEY LAKE BASIN									
WALKER CREEK NEAR SUSANVILLE	93	1950-	USGS	2- 1-63	5.6	820	1-16-73	3.77	250
SUSAN RIVER AT SUSANVILLE	184	1917-21 1950-	USGS	12-22-64	7.3	3,100	1-16-73	4.30	700
PYRAMID AND WINNEMUCCA LAKES BASIN									
LITTLE TRUCKEE RIVER ABOVE BOCA RESERVOIR NEAR BOCA	146	1903-10 1939-	USGS	2- 1-63	9.0	13,300	4-25-73	6.10	530
TRUCKEE RIVER AT FARAD	432	1844-	USGS	11-21-50	14.5(A)	17,500	5-16-73	4.97	2,300
CARSON RIVER BASIN									
EAST FORK CARSON RIVER BLW MARKLEEVILLE CREEK	276	1960-	USGS	1-31-63	10.2	15,100	5-18-73	6.67	3,200
EAST FORK CARSON RIVER AT WOODFORDS	66	1906-07 1938-	USGS	2- 1-63	9.0	4,890	5-13-73	3.79	840
WALKER LAKE BASIN									
EAST WALKER RIVER BLW LITTLE WALKER RIVER NEAR COLEVILLE	180	1938-	USGS	11-20-50	8.1	6,220	5-31-73	5.32	2,470
WEST WALKER RIVER NEAR BRIDGEPORT	359	1911-14 1941-	USGS	6-19-63	4.6	1,390	6-24-73	3.42	650
SOUTHERN LAHONTAN AREA									
MOJAVE RIVER BASIN									
MOJAVE RIVER AT LOWER NARROWS NEAR VICTORVILLE	514	1899-06 1930-	USGS	3- 2-38	23.7	70,600	2-11-73	5.28	1,600
MOJAVE RIVER AT BARSTOW	1230	1930-	USGS	3- 3-38	8.6	64,300	2-12-73	3.20	670
MOJAVE RIVER AT AFTON	2120	1924-32 1952-	USGS	1-26-69	10.4	18,000	2-13-73	3.75	60

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